

***FLORICULTURE  
CAREER DEVELOPMENT EVENT***

*RULES AND REGULATIONS*

*TEAM COMPETITION*



***ALABAMA FFA ASSOCIATION***

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Alabama State Department of Education, Dr. Eric G. Mackey, State Superintendent of Education

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FL-1  
**FLORICULTURE  
CAREER DEVELOPMENT EVENT**

## **PURPOSE**

To give FFA members an opportunity to use the floriculture skills they have acquired in Agriscience Education courses and to make FFA members more fully aware of the horticultural enterprises in Alabama.

## **ELIGIBILITY AND REGULATIONS**

For specific eligibility of participants, refer to the Contests and Awards Booklet.

Only district eliminations will be held prior to the state event.

The top four place winners in the North, Central and South Districts will compete in the state finals.

CDE Scantrons will be used at District and State Eliminations.

## **DISCLAIMER**

In the event that contests (CDE, LDE, TDE's) cannot be held in person, a virtual option may be conducted. Contest rules and guidelines are subject to change to meet the needs of a virtual experience.

## **ALTERNATE POLICY**

For district level events, if a chapter brings alternates there will be no more than two alternates allowed per team. Alternates will use a copy of the scan form (not an original) for those events scored via [judgingcard.com](http://judgingcard.com). If more than four official scan forms are turned in for a chapter in one event, the highest score(s) for that team will be disqualified and deleted until the chapter only has four team members in the scoring system. Alternates must not be in groups with official team members.

For state level events, alternates are not allowed.

## **DISTRICT EVENT**

1. The event will be held at regular district event eliminations.
2. A team will consist of a maximum of four members. The three highest scorers will make up the team score. (National FFA Contest requires 4 members with all scores counting)
3. The event will have three required phases.
  - Identification of Plant Materials, Pests, Disorders, and Equipment (25 specimens) -- 6 points each (Artificial plants, pictures, and cuttings may be used as specimens)
  - General Knowledge Examination (50 questions) -- 4 points each
  - Problem Solving (10 Questions) – 20 points each

4. Participants will have 30 minutes to complete the written examination and 60 minutes to complete the Problem Solving portion of the event. Participants will be given 1 minute per specimen for the identification of plant materials. 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 a scan form at the respective station. All this must be done within the 45 second per item time constraint.
6. The district event will be scored as follows.
  - Individual scores will be the sum of the scores on the three required phases of the event plus scores of other phases, if any.

<u>Phase</u>	<u>550 Possible Points per Member</u>
Written Examination .....	200 points
Identification of Plant Materials .....	150 points
Problem Solving .....	200 points

**Individual and team tiebreakers:** 1. Highest score(s) in the general knowledge exam; 2. Highest score(s) plant materials phase; 3. Highest score(s) problem solving.

## STATE EVENT

1. The team will consist of a maximum of four members. The team's total score will be based on the sum of the points earned by the three highest scoring participants on the team.
2. Participants entering the Floriculture Career Development Event may not enter the FFA Nursery and Landscape Career Development Event the same year.
3. The state event will have 7 phases.
  - Identification of Plant Materials (Live specimens, artificial plants, pictures, cuttings)
  - General Knowledge Examination
  - Problem-Solving/Decision-Making
  - Job Interview
  - Floral Arrangement
  - Growing Procedures
  - Three Rotational Practicums
4. Any communication between participants during the event will be sufficient cause to eliminate the team(s) involved from the event. If a cell phone is seen or heard in the possession of a competitor, that individual student will be disqualified from competition and receive a score of zero.
5. Any assistance given to a team member from any source during the event will be sufficient cause to eliminate the team from the event.
6. Under no circumstance will any participant be allowed to touch or handle plant material in the Identification of Plant Materials phase of the event. Any infraction of this policy will be sufficient cause to eliminate the team from the event.
7. References -- A list of references for use as a guide in training teams is printed in this

booklet, but the event will not be based exclusively on these references. See the Recommended References section.

8. Coaches/Advisors may not enter the event area until the event has been completed.
9. The state event will be held during the State FFA Convention.
10. Competitors must enter their name on the scorecard or they will receive a score of zero. Judges will not attempt to figure out to whom the card belongs.

## **EVENT PHASES**

### **Phase 1 -- IDENTIFICATION OF PLANT MATERIALS (200 points)**

Fifty (50) specimens from the plant list will be displayed for participants to identify. Each specimen will be designated by a number (1-50). Participants will be given 45 seconds per specimen for the identification of plant materials. 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 a scan form at the respective station. All this must be done within the 45 second per item time constraint. Four (4) points will be given for each specimen that is correctly identified. No plants may be touched or handled in any way. Artificial plants, cuttings, pictures may be used as specimens.

### **Phase 2 -- GENERAL KNOWLEDGE EXAMINATION (200 points)**

Participants will answer 50 multiple choice questions that cover all areas of the floriculture industry. This phase of the event will test participants' knowledge and understanding of basic biological and scientific principles of producing and marketing flowers, plants and foliage. Each participant will be allowed 30 minutes to complete the exam. Each answer has a value of four points.

### **Phase 3 -- PROBLEM-SOLVING/DECISION-MAKING (200 points)**

Each participant will solve 10 problems related to the various aspects of the floriculture industry. Each problem will describe the situation or create the problem and list four possible solutions to the problem. The participant must decide on the best possible solutions to the problem. All materials and information necessary to solve the problem will be available to the participant as he/she solves the problem. Each participant will be allowed 50 minutes to complete this phase of the event. Each correct solution has a value of 20 points.

## Phase 4 -- PRACTICUM (300 points)

Each participant will perform the three activities listed below. Score sheet(s) for each practicum is (are) included in this publication.

### 1. Floral Arrangement- (100 points)

Make a \$55 floral arrangement. The event superintendent will announce the type of arrangement during the team orientation meeting. Using the materials provided, participants will be allowed 20 minutes to complete their arrangements and itemized bills. The event assistant at the beginning of the practicum will provide participants the RETAIL price of the flowers and foliage that they will use in their arrangements. The MARKUP will be built into the retail price. When the participant has determined the total arrangement cost, he or she has included the markup. Retail cost of flowers and foliage given to the participant will be determined after polling florists to determine their current retail prices on the flowers and foliage used in the event. Artificial flowers/plants may be used during this phase of the contest. Scoring criteria are presented on the floral arrangement practicum scorecard which will be recorded by a judge.

### 2. Interview for a Job (100 points)

Each participant will appear before an employer (judge) for the purpose of interviewing for a position available in the employer's business. Each team competing will receive a job description and application prior to the state event. Approximately five minutes will be allowed for each interview. It is strongly suggested that participants bring a resume to present to the judge. Participants will be expected to prepare, prior to the event, a resume of their experiences and background to present to the judge at the time of the interview.

### 3. Growing Procedures (50 points)

One of the following three events in growing procedures will be used each year. The event chosen will not be announced until the event. Each event will use the score card with assigned criteria for that event.

#### i. Potting of Young Plants (Plugs or Liners)

Participants will be asked to plant young plants in the pots provided. Each participant will be given a group of young plants from which to select their transplants from; an appropriate pot or pots; potting medium at the correct moisture level, ID stake and a marking pencil. Ten minutes will be allowed for completion of this practicum including the judging of the participant's performance in completing the practicum.

**ii. Asexual Propagation of Plants**

Each participant will be provided the parent plant materials and all other materials needed to propagate plants asexually. Using the available materials, participants will take five cuttings from the plant before them and stick them in rooting media. Five minutes will be allowed for completion of this practicum including the judging of the participant's performance in completing the practicum.

**iii. Pinching Plants**

A plant will be placed before each participant. The participant will be given instructions as to what they are to do to the plant by the event assistant in charge of the practicum. Participants will be judged on the procedures they follow in pinching the plant. Five minutes will be allowed for completion and judging of this practicum. Pinching section may be completed and scored by multiple choice, true false, short answer, or scored using the provided pinching rubric.

**Phase 5 – Rotational Practicums (75 points per practicum)**

Two of the following practicums will be selected from the list below. The two selected will be identified by the event coordinator and made available prior to the contest.

**a. One-on-One (Selling)**

Each participant will assume the role of a sales person in a floriculture business (grower, florist shop, garden center, etc.) A customer (judge) with a specific need will approach the participant. The participant will help the customer meet his/her need by using sales skills. All supplies, information and the business setting in which the participant works will be provided. Ten minutes will be allowed for this practicum (five minutes for dialogue with the customer and completion of the sales form and five minutes for the judge to score participant).

**b. Media Selling**

Each participant will be asked to create or evaluate advertising from the following: newspaper/catalog ad; radio script; newsletter; brochure/flyer; email; social media – face book, twitter, video – You Tube, web homepage. All information and materials needed to develop the advertisement will be provided. Twenty minutes will be allowed for this practicum. Of the 20 minutes, 12 will be allotted for preparation, five minutes for oral/written presentation and three for judges to score.

**c. Make a Mixed Planter Combination**

Each participant will make a \$35 mixed planter combination. All plant materials, growing media and containers will be provided. Twenty minutes will be allowed for each participant to make their mixed planter combination and complete the itemized listing of costs. At the beginning of the practicum, the participant will be provided with the retail price of plants and other materials to be used in their mixed planter combination. The markup is built into the retail price.

- d. **Make and package a corsage**  
 Each participant will make and package a \$25 corsage. All plant and non-plant materials needed to construct and package the corsage will be provided. Each participant will be allowed 20 minutes to complete the construction of the corsage and complete an itemized listing of costs for the corsage constructed.
- e. **Identifying and controlling plants disorders**  
 Pest and disorder items may be presented as an intact specimen, photograph or preserved specimen (herbarium sheet, insect mount, etc.) Each specimen will be designated by a station number. The participant must identify the item and its classification (nutritional/environmental, insect/pest, or disease). The participant then must determine the damage location as well as chemical and culture controls for the disorder. Each participant will identify 15 specimens total for this event. No specimens or items may be touched or handled in any way. Fifteen minutes will be allowed for this event. The plant disorders will come from the following list of disorders. Please disregard the numbering scheme found on the Disorder Practicum Scorecard Page FL-25, unless otherwise noted by contest officials. Contestants will mark their card with the following number in the Floriculture Disorders Practicum on Scantron scorecard.

**Classification**

1. Diseases
2. Insects/Pests/Mites
3. Nutritional/Environmental

**Nutritional and environmental disorders**

01. cold temperature (freeze)
02. cold water damage
03. ethylene damage
04. insufficient water damage
05. iron deficiency
06. nitrogen deficiency
07. phosphorus deficiency

**Insects and Pests**

16. Aphids
17. Fungus gnats
18. Leaf miner
19. Leafhopper
20. Mealybugs
21. Scale
22. Shore flies
23. Snails/slugs
24. Spider mites
25. Thrips
26. Whiteflies

**Diseases**

08. Botrytis – gray mold
09. Damping off
10. Downy mildew
11. Leaf spot (black)
12. Powdery mildew
13. Root rot
14. Stem rot
15. Tospovirus (INSV & TSWV)

**Chemical Controls**

1. Fungicide
2. Insecticide
3. Miticide
4. Molluscicide
5. No Treatment Listed

**Cultural Control**

1. Apply Complete Fertilizer
2. Correct/Adjust Temperature
3. Correct/Adjust Watering
4. Lady Bird Beetles (Lady Bugs)
5. Nematodes
6. Parasitic Wasps
7. Predatory Mites
8. Reduce Relative Humidity
9. No Treatment Listed



**f. Handling A Hazardous Situation**

Each participant will be presented with a hazardous situation that could develop in a floriculture business. The participant will be asked to explain how to resolve the problem. The participant will be evaluated on their understanding of the problem and procedures and practices followed in resolving the problem. Ten minutes will be allowed for this practicum.

**SCORING THE STATE EVENT**

<u>Phase</u>	<u>Possible Points</u>
<b>1. Identification of Plant Materials</b>	<b>200</b>
<b>2. General Knowledge Examination</b>	<b>200</b>
<b>3. Problem-Solving/Decision-Making</b>	<b>200</b>
<b>4. Practicums</b>	<b><u>400</u></b>
<b>Individual's Total</b>	<b>1,000</b>

**Note:** The three highest scorers will make up the team score.

Team scores will be sum of the top 3 scoring team members. (3,000 points possible)

If the event ends in a tie at the state CDE, the total scores of the three team members in the order listed below will determine the winner:

- 1) General Knowledge Exam**
- 2) Problem Solving**
- 3) Plant and Equipment ID**
- 4) Practicums**

**STATE AWARDS/SPONSOR(S):**

Refer to Alabama FFA Contests and Awards Booklet at:

[http://www.alabamaffa.org/forms\\_applications.htm](http://www.alabamaffa.org/forms_applications.htm)

## RECOMMENDED REFERENCES

This list of references is not intended to be inclusive. Other sources may be utilized and teachers are encouraged to make use of the very best instructional materials available. The following list contains references that may prove helpful during event preparation.

*All About Perennials.* 1981. Ortho Books. Chevron Chemical Company, 6001 Bolinger Canyon Road, San Ramon, CA 94583.

*Color With Annuals.* 1987. Ortho Books. Chevron Chemical Company.

*Arranging Cut Flowers.* 1985. Ortho Books. Chevron Chemical Company.

*All About Growing Orchids.* 1988. Ortho Books. Chevron Chemical Company.

*Controlling Lawn and Garden Insects.* 1987. Ortho Books. Chevron Chemical Company.

*All About Houseplants.* 1982. Ortho Books. Chevron Chemical Company.

*Gardening in Containers.* 1983. Ortho Books. Chevron Chemical Company.

*The ORTHO Problem-Solver.* 1984. Ortho Books. Chevron Chemical Company.

*Complete Guide to Gardening.* 1979. Better Homes and Gardens, Meredith Corporation, Des Moines, Iowa.

*Floral Design and Marketing.* 1988. Ohio Agricultural Education Curriculum Materials Service, The Ohio State University, Room 254, 2120 Fyffe Road, Columbus, Ohio 43210.

*Hortus, Third.* 1977. L. H. Bailely Hortorium. The Macmillan Co., N.Y. (Latest authority on nomenclature).

*The Greenhouse Worker, 2nd Edition.* 1984. Peter J. Wotowiec. Ohio State University, 2120 Fyffe Road, Columbus, OH 43210.

*The Retail Florist Business, 4th Edition.* 1983. Peter B. Pfahl, Interstate Publishers and Printers, Danville, IL.

*Introduction to Floriculture.* 1980. Roy A. Larson, Academic Press, New York, N.Y.

*Flower Shop Management.* Ohio State Curriculum Service, Ohio State University, 2120 Fyffe Road, Columbus, OH 43210.

*American Style Flower Arranging.* 1982. Peter B. Pfahl and Elwood W. Kalin, Prentice-Hall, Inc., Englewood Cliffs, NJ.

*Ornamental Horticulture for Agribusiness Education in Alabama.* Agriscience Education, 3410 Skyway Drive, Auburn, AL 36830-6444.

*Horticulture/Floriculture Student Study Guide.* Agriscience Education, 3410 Skyway Drive, Auburn, AL 36830-6444.

*Horticulture Test Bank.* Agriscience Education, 3410 Skyway Drive, Auburn, AL 36830-6444.

## Floriculture Plant ID List

Number Botanical Name/Common Name	Number Botanical Name/Common Name
101 <i>Aechmea fasciata</i> cv. / Silver Vase Bromeliad	102 <i>Ageratum houstonianum</i> / Ageratum
103 <i>Alstroemeria</i> hybrid cv. / Peruvian Lily	104 <i>Anemone coronaria</i> / Anemone
105 <i>Anethum graveolens</i> cv. Dill	106 <i>Angelonia</i> hybrid cv. / Angelonia
107 <i>Anthurium x andraeanum</i> cv. / Flamingo Plant	108 <i>Antirrhinum majus</i> cv. / Snapdragon
109 <i>Aphelandra squarrosa</i> cv. / Zebra Plant	110 <i>Araucaria heterophylla</i> / Norfolk Island Pine
111 <i>Asparagus densiflorus</i> / Sprenger Fern	112 <i>Aster pringlei</i> / Monte Cassino Aster
113 <i>Astilbe</i> hybrid cv. / Astilbe	114 <i>Begonia x semperflorens-cultorum</i> / Wax Begonia
115 <i>Begonia x tuberhybrida</i> cv. / Wax Begonia	116 <i>Caladium x hortulanum</i> cv. / Caladium
117 <i>Calibrachoa</i> hybrid cv. / Million Bells	118 <i>Callistephus chinensis</i> cv. / China Aster
119 <i>Campanula</i> hybrid cv. / Campanula	120 <i>Canna x generalis</i> cv. / Garden Canna
121 <i>Capsicum annuum</i> / Ornamental Pepper Plant	122 <i>Catharanthus roseus</i> / Periwinkle
123 <i>Celosia argentea</i> cv. / Cockscomb	124 <i>Chamaedorea elegans</i> / Parlor Palm
125 <i>Chamelaucium uncinatum</i> / Waxflower	126 <i>Cholorophytum comosum</i> cv. / Spider Plant
127 <i>Chrysanthemum x morifolium</i> / Florist Chrysanthemum	128 <i>Clematis</i> hybrid cv. / Clematis
129 <i>Codiaeum variegatum pictum</i> / Croton	130 <i>Crassula argentea</i> / Jade Plant
131 <i>Cycas revolute</i> cv. / Sago Palm	132 <i>Cyclamen x persicum</i> cv. / Florist's Cyclamen
133 <i>Cymbidium</i> cv. / Cymbidium Orchid	134 <i>Cymbopogon</i> cv. / Lemongrass (herb)
135 <i>Dahlia</i> hybrid cv. / Dahlia	136 <i>Delphinium consolida</i> cv. / Larkspur
137 <i>Dendrobium</i> cv. / Dendrobium Orchid	138 <i>Dianthus caryophyllus</i> cv. / Carnation
139 <i>Dracaena cincta</i> / Red Edge Dracaena	140 <i>Echinocactus</i> cv. / Barrel Cactus
141 <i>Epipremnum aureum</i> cv. / Golden Pothos	142 <i>Erica carnea</i> cv. / Spring Heather
143 <i>Eucalyptus polyanthemos</i> / Silver Dollar Eucalyptus	144 <i>Euphorbia pulcherrima</i> cv. / Poinsettia
145 <i>Eustoma grandiflorum</i> / Lisianthus	146 <i>Exacum affine</i> / Persian Violet
147 <i>Ficus benjamina</i> cv. / Benjamin Fig	148 <i>Ficus elastic</i> cv. / Rubber Plant
149 <i>Fragaria x ananassa</i> cv. / Strawberry Plant	150 <i>Freesia x hybrid</i> / Freesia
151 <i>Gardenia jasminoides</i> / Gardenia	152 <i>Gerbera jamesonii</i> / Gerbera Daisy
153 <i>Gladiolus x hortulanus</i> cv. / Garden Gladiolus	154 <i>Gomphrena</i> hybrid cv. / Globe Amaranths
155 <i>Gypsophila elegans</i> cv. / Baby's Breath	156 <i>Hedera helix</i> cv. / English Ivy

## Floriculture Plant ID List (p.2)

157 Helianthus annuus / Sunflower	158 Hemerocallis cv. / Daylily
159 Hippeastrum hybrid cv. / Amaryllis	160 Hosta cv. / Hosta
161 Hoya carnosa / Wax Plant	162 Hyacinthus orientallis cv. / Hyacinth
163 Hydrangea macrophylla / Big Leaf Hydrangea	164 Impatiens hybrid cv. / Impatiens
165 Ipomoea batatas cv. / Ornamental Sweet Potato	166 Iris x xiphium cv. / Dutch Iris
167 Senecio cineraria / Dusty Miller	168 Justicia brandegeana / Shrimp Plant
169 Kalanchoe x blossfeldiana cv. / Kalanchoe	170 Leucanthemum x superbum / Shasta Daisy
171 Leucospermum hybrid cv. / Pin cushion Protea	172 Liatris spicata / Liatris
173 Lilium hybrid cv. / Asiatic or Oriental Lily	174 Limonium sinuatum / Statice
175 Lobularia maritima / Alyssum	176 Maranta leuconeura / Prayer Plant
177 Matthiola incana cv./ Stock	178 Monstera deliciosa / Split Leaf Philodendron
179 Narcissus pseudonarcissus cv. / Daffodil or Narcissus	180 Nephrolepis exaltata cv. / Boston Fern
181 Ocimum basilicum cv. / Basil	182 Opuntia cv. / Cactus
183 Paeonia cv. / Peony	184 Paphiopedilum hybrid cv. / Ladyslipper Orchid
185 Pelargonium x hortorum cv. / Zonal Geranium	186 Pelargonium peltatum cv. / Ivy Geranium
187 Pentas hybrid cv. / Pentas	188 Petroselinum crispum cv. / Parsley
189 Petunia x hybrida cv. / Petunia	190 Phalaenopsis cv. / Moth Orchid
191 Philodendron scandens oxycardium / Heartleaf Philodendron	192 Pilea cadierei / Aluminum Plant
193 Portulaca oleracea cv. / Portulaca	194 Primula malacoides cv. / Primrose
195 Ranunculus hybrid cv. / Ranunculus	196 Rhododendron simsii cv. / Florist Azalea
197 Rosa hybrid cv. / Hybrid Tea Rose	198 Rumohra adiantiformis / Leatherleaf Fern
199 Saintpaulia ionantha cv. / African Violet	200 Salvia splendens cv. / Salvia
201 Sansevieria trifasciata cv. / Snake Plant	202 Schefflera arboricola / Octopus Plant
203 Schlumbergera bridgesii / Christmas Cactus	204 Sempervivum hybrid cv. / Hens and Chicks
205 Senecio x hybridus cv. / Cineraria	206 Saxifraga stolonifera / Strawberry Plant
207 Sinningia speciosa Fyfiana Group cv. / Gloxinia	208 Solenostemon scutellarioides / Coleus
209 Spathiphyllum / Peace Lily	210 Stephanotis floribunda / Stephanotis
211 Strelitzia reginae / Bird-of-Paradise	212 Syngonium podophyllum / Nephthytis
213 Tagetes species cv. / Marigold	214 Zebrina pendula cv. / Wandering Jew
215 Tulipa cv. / Tulip	216 Verbena hybrid cv. / Verbena
217 Vinca hybrid cv. / Vinca	218 Viola x wittrockiana cv. / Pansy
219 Zantedeschia hybrid cv. / Calla Lily	220 Zinnia elegans / Zinnia

## Floriculture Equipment and Supply Identification List

301 Anvil-and-blade pruner	335 Hearing protection	368 Wire cutter
302 18 Gauge floral wire	336 Glue pan	369 PVC (polyvinylchloride) pipe
303 28 Gauge floral wire	337 Glue sticks	370 Wooden pick
304 #3 Ribbon (satin, sheer, wired)	338 Hook-and-blade pruners (bypass pruners)	371 Resin-coated fertilizer
305 #9 Ribbon (satin, sheer, wired)	339 Hose punch	372 Respirator
306 #40 Ribbon (satin, sheer, wired)	340 Hose repair coupling	373 Wrist corsage holder
307 #100 Ribbon (satin, sheer, wired)	341 Hose-end repair fitting	374 PVC pipe cutter
308 Floral adhesive	342 Hose-end sprayer	375 Greenhouse thermostat
309 Coconut coir	343 Hose-end washer	376 Safety goggles
310 Bulb planter	344 Impulse sprinkler	377 Sand
311 Bouquet sleeve	345 Irrigation timer	378 Scoop shovel
312 Cell pack containers	346 Irrigation tape	379 Shade fabric
313 Cardette	347 Sphagetti tubing (1/4" diameter or less)	380 Sharpening Stone
314 Ceramic container	348 Nosegay holder	381 Siphon injector
315 Compressed air sprayer	349 Ribbon shears	382 Chemical resistant gloves
316 Chenille stem	350 Sheet moss	383 Soil moisture meter
317 Drip emitter, irrigation	351 Mist nozzle (mist bed)	384 Goggles
318 Dust mask	352 Spanish moss	385 Solenoid valve
319 Duster	353 Nursery container	386 Pest strips
320 Corsage box	354 Oscillating sprinkler	387 Propagation trays
321 Corsage pin	355 Peat moss	388 Sphagnum moss
322 Corsage snips	356 Peat pots	389 Spray suit
323 Dry foam	357 pH testing meter	390 Square point (flat) shovel
324 Enclosure card	358 Fogger	391 Rockwool propagation cubes
325 Fern greening pins	359 Styrofoam	392 Fertilizer injectors
326 Floral foam	360 Surestik cling	393 Ellpot propagation cubes
327 Gas mask	361 Polyethylene film	394 Rice hulls
328 Floral knife	362 Polyethylene pipe	395 Pot covers
329 Floral preservative	363 Tulle	396 Rose and stem flower stripper
330 Granular fertilizer	364 Water picks	397 Backflow preventer
331 Floral stem tape	365 Water tubes	398 Vermiculite
332 Glass vase	366 Waterproof container tape	400 Water soluble fertilizer
333 Glue gun	367 Propagation mat	
334 Hanging Basket		

### Floriculture Disorders Practicum

<b>Classifications</b>	<b>Identification</b>	<b>Chemical Controls</b>	<b>Cultural Controls</b>
1 Diseases	<b><u>Nutritional and environmental disorders</u></b>	1 Fungicide	1 Apply Complete Fertilizer
2 Insects/Pests/Mites	01 cold temperature (freeze)	2 Insecticide	2 Correct/Adjust Temperature
3 Nutritional/Environmental	02 cold water damage	3 Miticide	3 Correct/Adjust Watering
	03 ethylene damage	4 Molluscicide	4 Lady Bird Beetles
	04 insufficient water damage	5 No Treatment Listed	5 Nematodes
	05 iron deficiency		6 Parasitic Wasps
	06 nitrogen deficiency		7 Predatory Mites
	07 phosphorus deficiency		8 Reduce Relative Humidity
	<b><u>Diseases</u></b>		9 No Treatment Listed
	08 Botrytis – gray mold		
	09 Damping off		
	10 Downy mildew		
	11 Leaf spot (black)		
	12 Powdery mildew		
	13 Root rot		
	14 Stem rot		
	15 Tospovirus (INSV & TSWV)		
	<b><u>Insects and Pests</u></b>		
	16 Aphids		
	17 Fungus gnats		
	18 Leaf miner		
	19 Leafhopper		
	20 Mealybugs		
	21 Scale		
	22 Shore flies		
	23 Snails/slugs		
	24 Spider mites		
	25 Thrips		
	26 Whiteflies		

# Floral Arrangement Practicum Rubric

100 points

NAME _____	MEMBER NUMBER _____
CHAPTER _____	STATE _____
	TEAM NUMBER _____

POSSIBLE SCORE	Excellent	Good	Needs Improvement	Member Score
Arrangement <span style="float: right;">85</span>				
Category Interpretation	7-15 points	6-10 points	0-5 points	
Balance	7-10 points	4-6 points	0-3 points	
Creativity	7-10 points	4-6 points	0-3 points	
Depth	7-10 points	4-6 points	0-3 points	
Focal Emphasis.	7-10 points	4-6 points	0-3 points	
Line	7-10 points	4-6 points	0-3 points	
Mechanics	7-10 points	4-6 points	0-3 points	
Scale	4-5 points	2-3 points	0-1 points	
Unity	4-5 points	2-3 points	0-1 points	
Itemized List of Costs <span style="float: right;">15</span>				
Price Range	4-5 points	2-3 points	0-1 points	
Identification and Accuracy	7-10 points	4-6 points	0-3 points	
<b>TOTAL POSSIBLE:</b>			<b>100</b>	

## EXPLANATION OF FLORAL ARRANGEMENT TERMS

Category Interpretation: Design follows objective scenario given

Balance: Physical and Visual

Creativity: Artistic inventiveness

Depth: Placement of materials at different levels throughout the arrangement

Focal Emphasis: Design has one area of design that attracts the eye to it

Line: Movement

Mechanics: Professional techniques and application

Scale: Proportion

Unity: Cohesiveness of design

# Floral Arrangement Itemized List of Costs

NAME \_\_\_\_\_ MEMBER NUMBER \_\_\_\_\_

CHAPTER \_\_\_\_\_ STATE \_\_\_\_\_ TEAM NUMBER \_\_\_\_\_

Quantity	FLOWER/FOLIAGE	Unit Cost	Total
<b>TOTAL FLOWER/FOLIAGE MATERIAL COST</b>			

Quantity	MATERIAL USED	Unit Cost	Total
<b>TOTAL HARD GOODS COST</b>			

<b>TOTAL ARRANGEMENT COST*</b>	

\* Participants will be provided the retail price of flowers and foliage that they will use in their arrangement by the event official at the beginning of the practicum. The markup is built into the retail price of the flowers and the foliage used in the arrangement.



# Job Interview Practicum Rubric

100 points

NAME \_\_\_\_\_ MEMBER NUMBER \_\_\_\_\_

CHAPTER \_\_\_\_\_ STATE \_\_\_\_\_ TEAM NUMBER \_\_\_\_\_

		Excellent	Good	Needs Improvement	Member Score
<b>Introduction</b>					
<ul style="list-style-type: none"> <li>Initial presentation</li> <li>Eye contact</li> <li>Handshake</li> </ul>	<ul style="list-style-type: none"> <li>Gives name</li> <li>States why here</li> </ul>	8-10 points	4-7 points	0-3 points	
<b>Knowledge of job</b>					
<ul style="list-style-type: none"> <li>Resume                             <ul style="list-style-type: none"> <li>Typed</li> <li>Completeness</li> <li>Content/Accurate</li> </ul> </li> </ul>		11-15 points	6-10 points	0-5 points	
<ul style="list-style-type: none"> <li>Application                             <ul style="list-style-type: none"> <li>Legibility</li> <li>Completed</li> </ul> </li> </ul>		8-10 points	4-7 points	0-3 points	
<b>Knowledge of the floriculture industry/job</b>					
<ul style="list-style-type: none"> <li>Tell me about yourself</li> <li>What skills do you have for this job?</li> <li>What are your experiences relating to this job?</li> </ul>	<ul style="list-style-type: none"> <li>Why should I hire you over someone else?</li> <li>How would you handle a customer complaint</li> </ul>	13-20 points	7-12 points	0-6 points	
<b>Response to questions</b>					
<ul style="list-style-type: none"> <li>What are your weaknesses?</li> <li>Where do you see yourself in the next 5 years?</li> </ul>	<ul style="list-style-type: none"> <li>BONUS: Would you hire this person?</li> </ul>	11-15 points	6-10 points	0-5 points	
<b>Personality</b>					
<ul style="list-style-type: none"> <li>Confidence</li> <li>Enthusiasm</li> </ul>	<ul style="list-style-type: none"> <li>Appearance</li> </ul>	11-15 points	6-10 points	0-5 points	
<b>Poise</b>					
<ul style="list-style-type: none"> <li>Posture</li> <li>Closure ("Thank you.")</li> </ul>	<ul style="list-style-type: none"> <li>Asks for the job or a decision date</li> </ul>	11-15 points	6-10 points	0-5 points	
<b>TOTAL SCORE: 100</b>					

# Potting of Young Plants Practicum Rubric

50 points

NAME \_\_\_\_\_

MEMBER NUMBER \_\_\_\_\_

CHAPTER \_\_\_\_\_

STATE \_\_\_\_\_

TEAM NUMBER \_\_\_\_\_

	Excellent	Good	Needs Improvement	Member Score
<b>Potting Process</b>				
Selection of plugs or liners	5-6 points	3-4 points	0-2 points	
Proper planting depth	6-8 points	3-6 points	0-2 points	
Labeling of plant/pot	5-6 points	3-4 points	0-2 points	
Correct growing medium level in pot	5-6 points	3-4 points	0-2 points	
Plug or liner arrangement and angle	5-6 points	3-4 points	0-2 points	
Firmness of growing medium	5-6 points	3-4 points	0-2 points	
General appearance (free from handling damage)	5-6 points	3-4 points	0-2 points	
Response to questions	5-6 points	3-4 points	0-2 points	
<b>Total Possible:</b>			<b>50</b>	

# Asexual Plant Propagation Rubric

50 points

NAME \_\_\_\_\_

MEMBER NUMBER \_\_\_\_\_

CHAPTER \_\_\_\_\_

STATE \_\_\_\_\_

TEAM NUMBER \_\_\_\_\_

	Excellent	Good	Needs Improvement	Member Score
Proper sanitation and equipment use	4-5 points	2-3 points	0-1 points	
Selection of cuttings	4-5 points	2-3 points	0-1 points	
Making cuttings	5-6 points	3-4 points	0-2 points	
Preparation of cuttings for sticking in growing media	5-6 points	3-4 points	0-2 points	
Use of rooting hormone	4-5 points	2-3 points	0-1 points	
Selection of growing media	5-6 points	3-4 points	0-2 points	
Sticking of cuttings in growing media	5-6 points	3-4 points	0-2 points	
Cuttings labeled correctly	4-5 points	2-3 points	0-1 points	
Response to questions	5-6 points	3-4 points	0-2 points	
<b>TOTAL SCORE: 50</b>				

# Pinching Plants Rubric

NAME \_\_\_\_\_ MEMBER NUMBER \_\_\_\_\_

CHAPTER \_\_\_\_\_ STATE \_\_\_\_\_ TEAM NUMBER \_\_\_\_\_

	Excellent	Good	Needs Improvement	Member Score
Selection of plant part to pinch	8-10	4-7	0-3	
Use of proper procedures in making pinches	8-10	4-7	0-3	
Made proper pinches	8-10	4-7	0-3	
Overall effect of making pinches	8-10	4-7	0-3	
Answered questions correctly	8-10	4-7	0-3	
<b>TOTAL SCORE: 50</b>				

# One-on-One Practicum Rubric

75 points

NAME \_\_\_\_\_

MEMBER NUMBER \_\_\_\_\_

CHAPTER \_\_\_\_\_

STATE \_\_\_\_\_

TEAM NUMBER \_\_\_\_\_

	Excellent	Good	Needs Improvement	Member Score
Took Initiative	9-11 points	5-8 points	0-4 points	
Communicated Effectively	9-11 points	5-8 points	0-4 points	
Exhibited ambition and efficiency	9-11 points	5-8 points	0-4 points	
Diplomatic and courteous	9-11 points	5-8 points	0-4 points	
Knew merchandise, prices and policies	9-11 points	5-8 points	0-4 points	
Accuracy of information collected	9-11 points	5-8 points	0-4 points	
Closed sale properly	7-9 points	4-6 points	0-3 points	
<b>TOTAL SCORE: 75</b>				

# Media Selling Practicum Rubric

NAME \_\_\_\_\_

MEMBER NUMBER \_\_\_\_\_

CHAPTER \_\_\_\_\_

STATE \_\_\_\_\_

TEAM NUMBER \_\_\_\_\_

	Excellent	Good	Needs Improvement	Member Score
Identified and appeal to target group	9-12 points	5-8 points	0-4 points	
Informed the consumer	7-9 points	4-6 points	0-3 points	
Creativity	7-9 points	4-6 points	0-3 points	
Easy to read or view	7-9 points	4-6 points	0-3 points	
Presented one idea	7-9 points	4-6 points	0-3 points	
Contained essential information	7-9 points	4-6 points	0-3 points	
Grammar, spelling, accuracy	7-9 points	4-6 points	0-3 points	
Proper use of space and format	7-9 points	4-6 points	0-3 points	
<b>TOTAL SCORE: 75</b>				

# Floriculture Making a Mixed Combination Planter Rubric

75 points

NAME \_\_\_\_\_

MEMBER NUMBER \_\_\_\_\_

CHAPTER \_\_\_\_\_

STATE \_\_\_\_\_

TEAM NUMBER \_\_\_\_\_

	Excellent	Good	Needs Improvement	Member Score
Selection of products	6-8 points	3-5 points	0-2 points	
Preparation of plant materials	6-7 points	3-5 points	0-2 points	
Labeling of combo	7-10 points	4-6 points	0-3 points	
Balance	9-12 points	5-8 points	0-4 points	
Design	11-15 points	6-10 points	0-5 points	
Attractiveness	10-13 points	5-9 points	0-4 points	
Pricing	7-10 points	4-6 points	0-3 points	
<b>TOTAL SCORE: 75</b>				

# Mixed Combination Planter Itemized List of Costs

NAME \_\_\_\_\_ MEMBER NUMBER \_\_\_\_\_

CHAPTER \_\_\_\_\_ STATE \_\_\_\_\_ TEAM NUMBER \_\_\_\_\_

Quantity	PLANT MATERIAL	Unit Cost	Total
<b>TOTAL FLOWER/FOLIAGE MATERIAL COST</b>			

Quantity	MATERIAL USED	Unit Cost	Total
<b>TOTAL HARD GOODS COST</b>			

Total Plant Material Cost	
Total Hard Goods Cost	
Container Cost	
Sub Total	
<b>TOTAL MIXED PLANTER COST</b>	



# Floriculture Making and Packing a Corsage Rubric

75 points

NAME \_\_\_\_\_

MEMBER NUMBER \_\_\_\_\_

CHAPTER \_\_\_\_\_

STATE \_\_\_\_\_

TEAM NUMBER \_\_\_\_\_

	Excellent	Good	Needs Improvement	Member Score
Wiring,taping, and/or gluing	11-15 points	6-10 points	0-5 points	
Use of ribbon	7-10 points	4-6 points	0-3 points	
Design	11-15 points	6-10 points	0-3 points	
Wear-ability	7-10 points	4-6 points	0-3 points	
Packaging	4-5 points	2-3 points	0-1 points	
Pricing (accuracy of pricing identification)	7-10 points	5-8 points	0-4 points	
Pricing	7-10 points	4-6 points	0-3 points	
<b>TOTAL SCORE: 75</b>				

# Corsage Itemized List of Costs

NAME \_\_\_\_\_ MEMBER NUMBER \_\_\_\_\_

CHAPTER \_\_\_\_\_ STATE \_\_\_\_\_ TEAM NUMBER \_\_\_\_\_

Quantity	FLOWER/FOLIAGE USED	Unit Cost	Total
<b>TOTAL FLOWER/FOLIAGE MATERIAL COST</b>			

Quantity	MATERIAL USED	Unit Cost	Total
<b>TOTAL HARD GOODS COST</b>			

Total Plant Material Cost	
Total Hard Goods Cost	
<b>TOTAL CORSAGE COST</b>	

# Disorder Practicum Scorecard

NAME \_\_\_\_\_

MEMBER NUMBER \_\_\_\_\_

CHAPTER \_\_\_\_\_

STATE \_\_\_\_\_

TEAM NUMBER \_\_\_\_\_

		Member Answer	Possible Points	Member Score
1.	Classification #:		1	
	Identification #:		2	
	Chemical Control #:		1	
	Cultural/ Biological Control #:		1	
2.	Classification #:		1	
	Identification #:		2	
	Chemical Control #:		1	
	Cultural/ Biological Control #:		1	
3.	Classification #:		1	
	Identification #:		2	
	Chemical Control #:		1	
	Cultural/ Biological Control #:		1	
4.	Classification #:		1	
	Identification #:		2	
	Chemical Control #:		1	
	Cultural/ Biological Control #:		1	
5.	Classification #:		1	
	Identification #:		2	
	Chemical Control #:		1	
	Cultural/ Biological Control #:		1	
6.	Classification #:		1	
	Identification #:		2	
	Chemical Control #:		1	
	Cultural/ Biological Control #:		1	
7.	Classification #:		1	
	Identification #:		2	
	Chemical Control #:		1	
	Cultural/ Biological Control #:		1	
8.	Classification #:		1	
	Identification #:		2	
	Chemical Control #:		1	
	Cultural/ Biological Control #:		1	

		Member Answer	Possible Points	Member Score
9.	Classification #:		1	
	Identification #:		2	
	Chemical Control #:		1	
	Cultural/ Biological Control #:		1	
10.	Classification #:		1	
	Identification #:		2	
	Chemical Control #:		1	
	Cultural/ Biological Control #:		1	
11.	Classification #:		1	
	Identification #:		2	
	Chemical Control #:		1	
	Cultural/ Biological Control #:		1	
12.	Classification #:		1	
	Identification #:		2	
	Chemical Control #:		1	
	Cultural/ Biological Control #:		1	
13.	Classification #:		1	
	Identification #:		2	
	Chemical Control #:		1	
	Cultural/ Biological Control #:		1	
14.	Classification #:		1	
	Identification #:		2	
	Chemical Control #:		1	
	Cultural/ Biological Control #:		1	
15.	Classification #:		1	
	Identification #:		2	
	Chemical Control #:		1	
	Cultural/ Biological Control #:		1	
<b>TOTAL POINTS</b>			<b>75</b>	

## CLASSIFICATION:

- 100 Diseases
- 101 Insects/ Pests / Mites
- 102 Nutritional/ Environmental

## IDENTIFICATION:

- 200 Aphids
- 201 Black Leaf Spot
- 202 Botrytis - Grey Mold
- 203 Damping-off
- 204 Downy Mildew
- 205 Ethylene Damage
- 206 Fungus Gnats
- 207 Insufficient Watering
- 208 Iron Deficiency
- 209 Leaf Miner
- 210 Leafhopper
- 211 Mealybugs
- 212 Nitrogen Deficiency
- 213 Phosphorus Deficiency
- 214 Powdery Mildew
- 215 Root Rot
- 216 Rust
- 217 Scale
- 218 Shore Flies
- 219 Snails/ Slugs
- 220 Spider Mites
- 221 Stem Rot
- 222 Thrips
- 223 Toxoplasma (INSV and TSWV)
- 224 Whiteflies

## CHEMICAL CONTROL:

- 400 Fungicide
- 401 Insecticide
- 402 Miticide
- 403 Mulluscicide
- 404 No Treatment Listed

## CULTURAL CONTROL:

- 500 Apply Complete Fertilizer
- 501 Correct/ Adjust Temperature
- 502 Correct/ Adjust Watering
- 503 Ladybird Beetles
- 504 Nematodes
- 505 Parasitic Wasps
- 506 Predatory Mites
- 507 Reduce Relative Humidity
- 508 No Treatment Listed

# Hazardous Situation Rubric

NAME \_\_\_\_\_

MEMBER NUMBER \_\_\_\_\_

CHAPTER \_\_\_\_\_

STATE \_\_\_\_\_

TEAM NUMBER \_\_\_\_\_

	Excellent	Good	Needs Improvement		Member Score
Utilize proper personal safety precautions	4-5	2-3	0-1	X 4	
Utilize proper safety procedures in clearing up the situation	4-5	2-3	0-1	X 5	
Proper disposal of problem materials	4-5	2-3	0-1	X 4	
Utilize proper follow-up procedures	8-10	4-7	0-3		
<b>TOTAL SCORE: 75</b>					