

Floriculture

Rule years 2026–2029 · Revision 1 · Published October 9, 2026

0. General Rules & Eligibility

Career Development Events are governed by the NAEA CDE Committee. All events follow [CDE General Rules and Eligibility](#).

Qualification for this event

District qualification	Top 25% of schools per district
Students per team	4
Grades	9–12
National qualifying event?	Yes
Timeframe	FFA Convention
Host	UNL Agronomy & Horticulture Dept.
Event Superintendent	Christine Barta

1. Overview

Floriculture is a discipline of horticulture concerned with the growing and marketing of flowers and ornamental plants, in addition to, usage in floral arrangement and design. The floriculture industry encompasses the following: Greenhouse and field production and management; Garden center and floral shop operations and management; Floral design and management. The Nebraska Floriculture Career Development Event is designed to create an interest in careers within the floriculture industry through education, investigation and hands-on technical skill development delivered through the agricultural education curriculum.

Objectives

- Identify plants, plant materials, supplies and equipment utilized in the floriculture industry.
- Demonstrate an understanding of the biological and scientific principles of plant growth and development.
- Identify and recommend solutions for plant disorders.
- Demonstrate the use of elements and principles of design and develop related skills.
- Evaluate marketable floral products for quality and cultural perfection in the retail industry.
- Understand the operation, management and maintenance of facilities for floriculture operations.
- Demonstrate general business practices appropriate to the floriculture industry.
- Effectively work together as a team.

2. Eligibility & Team

Open to students in Grades 9–12. Teams are 4 students. Top 25% of schools per district advance. This event is national-qualifying.

Schools must register a full team, however teams with less than four students may participate and will not be eligible to earn all points.

3. What to Bring

Attire

- It's recommended that FFA members wear Official FFA Dress. Non-FFA members should wear professional dress.
- Jackets may be removed during hands-on portions.

Supplies

- The following items are required for each student to bring to the competition:
 - Two sharpened No. 2 pencils or soft graphite mechanical pencils.
 - Calculator (recommended) - phones and tablets are **not permitted**.
- The following items are suggested for the team event. Supplies required may vary by annual rolling event. Note- **No tool boxes** allowed. Team tools and supplies must fit within a 16L (~4 gallon) clear plastic storage tote with lid. These are inspected during team check in.
 - Floral tools and materials may consist of any or all of the following materials:
 - floral scissors,
 - ribbon shears,
 - pruners,
 - wire cutters,
 - floral pliers,
 - green floral tape,
 - green waterproof tape,
 - clear waterproof tape,
 - floral wire,
 - and/or floral adhesive (in dot, strip, or liquid form).
 - Additional items that may be allowed according to annual event (as indicated):
 - Adornments, tulle, decorative paper/packaging.
 - Container
- Note- when authorized, additional items must be placed into a clear 1 gallon zip-lock bag and shown at check-in with the team supply tote.

4. Event Format

Timing

- A. Check the CDE schedule for specific arrival, start, and end times, as well as the event location.
- B. Team check-in begins 30 minutes before the event, and seating begins 15 minutes before the event start time. Once the event begins, the approximate schedule includes:
 - I. Welcome and Introduction (5 minutes)
 - II. Team Activity (45 minutes + 5 minutes cleanup)
 - III. Repositioning/Rotation (5 minutes)
 - IV. Individual Plant and Equipment ID Challenge (20 minutes)
 - V. Individual Practicum (15 minutes)

VI. Individual General Knowledge Exam (45 minutes)

IMPORTANT NOTE: Instructors will be notified two weeks before the event of any additional tools and/or supplies needed to complete the design challenge, as well as any changes to the event due to constraints on plant materials and supplies.

Format

Annual Theme: DESIGN CHALLENGE

The team floral design challenge is an annual rolling event that may include any of the following design types.

- All-around or one-sided container design using floral foam (symmetrical, asymmetrical, or implied line styles)
- Horizontal, oblong, or freestyle dinner table design in container with floral foam
- Multi-stem bud vase (1-1/2" throat or similar)
- Mixed loose vase design (3" throat or similar)
- Corsage and/or boutonniere
- Nosegay handheld
- Contemporary/modern freestyle

Please note: *Modifications may be necessary based upon the availability of plant materials and other supplies. Teams will be notified before the event, when possible.*

- A. **2026 Theme: Grab-and-Go Designs.** Create each of the following using the fresh materials provided: all-around, one-sided, and multi-stem bud vase. Teams may bring 4 spools ribbon, 1 roll/sheet of tulle, and a maximum of 3 decorative adornments for this activity (1 multi-pack counts as 1 decorative adornment).
Provided supplies: In addition to fresh materials, 2 each 6" design bowls, 2/3 block floral foam, and 1 each 1-1/2" multi-stem bud vase will be provided.
- B. **2027 Theme: Intimate Wedding.** Create a nosegay handheld bouquet, 1 wrist corsage, 2 boutonnieres.
Provided supplies: Assorted fresh flowers and greens. NOTE: Teams must bring a wristlet, floral tape, pins/cards, corsage bags, and any supplies required for construction of nosegay.
- C. **2028 Theme: Dinner Event.** Create an oblong dinner table design, mixed bud vase for cocktail table, and one-sided design for welcome table. Provided supplies: 1 each 8" rectangle or similar design tray, 1 each 2" mini-bouquet vase, 1 each 5" design bowl, 1/3 block floral foam.
- D. **2029 Theme: Professional Decor.** Create contemporary focal design and two loose vase compositions for side tables. Provided supplies: 2/3 block floral foam, 2 each 3" x 6" cylinder vase or similar. NOTE: Teams must bring their own design dish or tray, no larger than a 10" round design bowl or a 4" x 8" rectangle.

Event Components

A. Team Activity (300 Points) - 45 minutes

- I. Instructions are given in written and oral formats for team members to construct specific designs, package (if required), and present their final products. Activity 45 minutes. Materials are provided for each team at their assigned workstation. Emphasis areas include creativity, composition, workmanship, & final presentation (how neatly the display is arranged on the table). Cleanup 5 minutes provided. Please note that there is limited control over flower colors provided, which is considered during judging.

B. Individual Plant and Equipment ID Challenge (200 Points) - 20 minutes

- I. Forty digital images are projected sequentially for 30 seconds and contestants are to choose the most appropriate name from the multiple-choice list provided. Each correct answer is worth 5 points for a total of 200 points in this section.

C. Individual Annual Practicum (50 Points) - 15 minutes

I. Individual practicums measure essential competencies in business and operation management.

Participants will complete two practicums annually, each worth 25 points. (rubrics in appendix)

1. **Interpret fertilizer or pesticide label** for crop suitability, method of application, rate, personal safety equipment, re-entry interval, and calculate dilution required for application solution.
2. **Determination of retail cost** for a finished floral arrangement, mixed planter, or dish garden.
Participants will be provided with the wholesale cost of each item used in the design scenario. Determine the retail price per stem or item using the appropriate markup from the wholesale prices provided. Retail markup will use 3 times the wholesale cost for fresh products and 2 times the wholesale cost for hard goods. Participants will also be asked to calculate labor at 20% and additionally add 7% tax to the net total to determine final selling price.

D. General Knowledge and Problem-Solving Examination (175 points) - 45 minutes

- I. Participants will answer 30 multiple-choice general knowledge questions and will solve 5 problems related to the various aspects of the floriculture industry identified in the event objectives. This includes flowers and material from the wholesaler and how they are handled, stored, and used in the flower shop; knowledge of floral design (arrangement) and marketing of floral products from the floral shop as well as participants' knowledge and understanding of basic biological and scientific principles of producing and marketing flowers, plants and foliage.
- II. Each problem will describe the situation or create the problem and list four (4) possible solutions to the problem. The participant must decide on the best possible solution to the problem. All materials and information necessary to solve the problem will be available to the participants as they solve the problem. Each participant will be allowed 45 minutes to complete the 35-question exam. Each answer has a value of 5 points.

5. Scoring & Tiebreakers

Individual Scoring

Component	Detail	Points
Identification of Floriculture Plants, Equipment, & Supplies	40 Specimens × 5 Points	200
Individual General Knowledge Exam	35 Questions × 5 Points	175
Individual Annual Practicum	2 Practicums × 25 Points	50
Grand total		425

Individual Tiebreakers

To determine the award order for individuals involved in a tie, the following will be utilized in rank order:

- A. Individual Annual Practicum Score
- B. General Knowledge Exam Score
- C. Identification of Plants, Equipment, & Supplies Score

Team Scoring

Component	Detail	Points
Sum of Individual Scores	4 Students × 425 Points	1,700
Team Activity: Rolling Design Challenge	Scored by rubric (Appendix A: Team Activity Design Rubric)	300
Grand total		2,000

Team Tiebreakers

To determine the award order for teams that are involved in a tie, the following will be utilized in rank order:

- Team Activity Score
- Individual Annual Practicum Score
- General Knowledge Exam Score
- Identification of Plants, Equipment, & Supplies Score

6. Study Resources

Approved study resources

- [UNL CDE Study Materials Folder \(OneDrive\)](#) — Practice materials and examples for this CDE.
- [Refer to the National FFA Career and Leadership Events webpage on https://www.ffa.org/ \(Direct Link\)](https://www.ffa.org/) [for the most up-to-date career and leadership development handbook edition.](#) — National FFA site; source for the current CDE handbook edition guiding Floriculture ID and problem-solving.
- See Appendix F: Plant Identification List.
- See Appendix G: Equipment and Supply Identification List.
- See Appendix H: Disorder Identification List.
- Students can study from the following materials in preparation for the event:
- [Past CDE materials and other resources are available on https://www.ffa.org/ \(Direct Link\).](https://www.ffa.org/) — National FFA site; source for past Floriculture CDE materials and other study resources.
- Scace, P. and DelPrince, J. 2021. Principles of Floral Design, An Illustrated Guide, Second Edition. Goodheart-Willcox Company, Inc. Tinley Park, IL. ISBN: 978-1-64564-049-3
- Shry, C. and Reiley, E. 2016. Introductory Horticulture, 9th Ed. (or previous). Delmar Cengage Learning. ISBN# 978-1285424729
- [Adams, S. \(2025\). Greenhouse Management for the Smaller Structure - Educational and Hobby.](#) — UNL Extension guide by Stacy Adams on managing small educational/hobby greenhouses; Floriculture background.

7. After the Event

Preparation and recommendations for team success: Team Active Design Rubric; Individual Annual Practicum Rubrics; Interpret fertilizer of pesticide label; Determine Retail Cost of Floral Arrangement, Mixed Planter, or Dish

Garden; Sample Floral Design Pricing Worksheet; Suggested Tools for Team Box; Acceptable Optional Supplies for Rolling Challenges (as per event).

List of Appendices

- [Appendix A: Team Activity Design Rubric](#)
- [Appendix B: Individual Annual Practicum Rubrics](#)
- [Appendix C: Sample Floral Design Pricing Worksheet](#)
- [Appendix D: Suggested Tools for Team Box](#)
- [Appendix E: Acceptable Optional Supplies for Rolling Challenges \(as per event\)](#)
- [Appendix F: Plant Identification List](#)
- [Appendix G: Equipment and Supply Identification List](#)
- [Appendix H: Disorder Identification List](#)

Appendix A: Team Activity Design Rubric

Design 1				
Criteria	Excellent	Emerging	Attempt	No Attempt
Style ¹	50	38	25	0
Mechanics ²	25	19	12	0
Creativity ³	25	19	12	0
Design 1 Maximum 100 points				
Design 2				
Criteria	Excellent	Emerging	Attempt	No Attempt
Style ¹	50	38	25	0
Mechanics ²	25	19	12	0
Creativity ³	25	19	12	0
Design 2 Maximum 100 points				
Design 3				
Criteria	Excellent	Emerging	Attempt	No Attempt
Style ¹	50	38	25	0
Mechanics ²	25	19	12	0
Creativity ³	25	19	12	0
Design 3 Maximum 100 points				
Total Team Score Maximum 300 points				

¹ Is the created design that is assigned, i.e., all-around, symmetrical, oblong, etc.

² Quality of construction, i.e., presence of broken materials, stems firmly inserted.

³ Inclusion of unique artistry beyond the rigidity of a straightforward design style.

Appendix B: Individual Annual Practicum Rubrics

Interpret Fertilizer or Pesticide Label (25 points)

Criterion	Correct	Incorrect
Crop suitability	5	0
Identified application method	5	0
Rate determination	5	0
Required personal protective equipment and re-entry interval	5	0
Determination of final solution	5	0
	Maximum 25 points	

Determine Retail Cost of Floral Arrangement, Mixed Planter, or Dish Garden

Criterion	Correct	Incorrect
Identified fresh materials & hardgood supplies & correct markup	5	0
Correct sum of retail materials	5	0
Identified labor cost	5	0
Correctly identified tax amount	5	0
Determination of Final Retail Price	5	0
	Maximum 25 points	

Appendix C: Sample Floral Design Pricing Worksheet

FLORAL DESIGN PRICING WORKSHEET					
DESIGN NAME Type or Description:					
			A	B	C
Description	Quantity	Wholesale Cost per Item	Mark Up (3x Fresh, 2x Hard goods)	Retail Cost per Stem (B x C)	Total Item Retail (A x D)
D (Retail Materials) Subtotal →					\$

E (\$25/hour) Labor 0.40 hour →	\$
F (Include materials & labor) Tax 7% →	\$
G Design Retail Total →	\$

Appendix D: Suggested Tools for Team Box



Appendix E: Acceptable Optional Supplies for Rolling Challenges (as per event)

Optional Supplies for Rolling Challenge



Appendix F: Plant Identification List

Source: 2027 National FFA Floriculture CDE Handbook (revised June 2026).

#	Botanical Name	Common Name
101	<i>Aechmea fasciata</i> cv.	Bromeliad
102	<i>Ageratum houstonianum</i>	Floss Flower
103	<i>Alocasia amazonica</i>	Amazon elephant ear
104	<i>Aloe vera</i>	Aloe plant
105	<i>Alstroemeria hybrid</i> cv.	Peruvian Lily
106	<i>Anemone coronaria</i>	Wind Flower
107	<i>Anethum graveolens</i> cv.	Dill
108	<i>Angelonia hybrid</i> cv.	Angelonia
109	<i>Anthurium x andraeanum</i> cv.	Flamingo Plant
110	<i>Antirrhinum majus</i> cv.	Snapdragon
111	<i>Aphelandra squarrosa</i> cv.	Zebra Plant
112	<i>Araucaria heterophylla</i>	Norfolk Island Pine
113	<i>Asparagus densiflorus</i>	Fox Tail Fern
114	<i>Aster amellus</i>	Aster
115	<i>Astilbe hybrid</i> cv.	Astilbe
116	<i>Begonia x semperflorens-cultorum</i>	Wax Begonia
117	<i>Begonia x tuberhybrida</i> cv.	Tuberous Begonia
118	<i>Caladium x hortulanum</i> cv.	Caladium
119	<i>Calathea insignis</i>	Rattlesnake plant
120	<i>Calibrachoa hybrid</i> cv.	Million Bells
121	<i>Callistephus chinensis</i> cv.	China Aster
122	<i>Campanula hybrid</i> cv.	Bell Flower
123	<i>Canna x generalis</i> cv.	Canna
124	<i>Capsicum annuum</i>	Ornamental Pepper
125	<i>Celosia argentea</i> cv.	Cockscomb
126	<i>Centaurea cyanus</i>	Cornflower, Bachelor's Button
127	<i>Chamaedorea elegans</i>	Parlor Palm
128	<i>Chamelaucium uncinatum</i>	Waxflower
129	<i>Chlorophytum comosum</i> cv.	Spider Plant
130	<i>Chrysanthemum x morifolium</i>	Chrysanthemum
131	<i>Clematis hybrid</i> cv.	Clematis
132	<i>Codiaeum variegatum pictum</i>	Croton
133	<i>Colocasia esculenta</i>	Taro
134	<i>Cordyline fruticosa</i>	Ti Plant
135	<i>Crassula argentea</i>	Jade Plant
136	<i>Cycas revoluta</i> cv.	Sago Palm
137	<i>Cyclamen x persicum</i> cv.	Cyclamen
138	<i>Cymbidium</i> cv.	Cymbidium Orchid
139	<i>Cymbopogon</i> cv.	Lemongrass (herb)
140	<i>Dahlia hybrid</i> cv.	Dahlia
141	<i>Delosperma</i>	Ice Plant
142	<i>Delphinium consolida</i> cv.	Larkspur
143	<i>Dendrobium</i> cv.	Dendrobium Orchid

#	Botanical Name	Common Name
144	<i>Dianthus caryophyllus</i> cv.	Carnation
145	<i>Dracaena marginata</i>	Red Edge Dracaena
146	<i>Echinocactus</i> cv.	Barrel Cactus
147	<i>Epipremnum aureum</i> cv.	Golden Pothos
148	<i>Erica carnea</i> cv.	Winter Heath
149	<i>Eucalyptus polyanthemos</i>	Silver Dollar Eucalyptus
150	<i>Euphorbia pulcherrima</i> cv.	Poinsettia
151	<i>Eustoma grandiflorum</i>	Lisianthus Prairie gentian
152	<i>Exacum affine</i>	Persian Violet
153	<i>Ficus benjamina</i> cv	Benjamin Fig
154	<i>Ficus elastica</i> cv	Rubber Plant
155	<i>Ficus lyrata</i>	Fiddle Leaf Fig
156	<i>Fragaria x ananassa</i> cv.	Strawberry Plant
157	<i>Freesia x hybrida</i>	Freesia
158	<i>Gardenia jasminoides</i>	Gardenia
159	<i>Gerbera jamesonii</i>	Gerbera Daisy
160	<i>Gladiolus x hortulanus</i> cv.	Gladiolus
161	<i>Gomphrena hybrid</i> cv.	Globe Amaranths
162	<i>Gypsophila elegans</i> cv.	Baby's Breath
163	<i>Hedera helix</i> cv.	English Ivy
164	<i>Helianthus annuus</i>	Sunflower
165	<i>Heemerocallis</i> cv.	Daylily
166	<i>Hibiscus</i> spp.	Hibiscus
167	<i>Hippeastrum hybrid</i> cv.	Amaryllis
168	<i>Hosta</i> cv.	Hosta Plantain Lily
169	<i>Hoya carnos</i>	Wax Plant
170	<i>Hyacinthus orientalis</i> cv.	Hyacinth
171	<i>Hydrangea macrophylla</i>	Big Leaf Hydrangea
172	<i>Hypoestes phyllostachya</i>	Polka-Dot plant
173	<i>Impatiens hawkeri</i>	New Guinea Impatiens
174	<i>Ipomoea batatas</i> cv.	Sweet potato vine
175	<i>Iris x xiphium</i> cv.	Dutch Iris
176	<i>Justicia brandegeana</i>	Shrimp Plant
177	<i>Kalanchoe x blossfeldiana</i> cv.	Kalanchoe
178	<i>Leucanthemum x superbum</i>	Shasta Daisy
179	<i>Liatris spicata</i>	Blazing stars
180	<i>Lilium hybrid</i> cv.	Asiatic or Oriental Lily
181	<i>Limonium sinuatum</i>	Statice
182	<i>Lobularia maritima</i>	Alyssum
183	<i>Mandevilla</i> spp.	Rock Trumpet
184	<i>Maranta leuconeura</i>	Prayer Plant
185	<i>Matthiola incana</i> cv.	Stock
186	<i>Monstera deliciosa</i>	Split Leaf Philodendron
187	<i>Narcissus hybrid</i> cv.	Daffodil or Narcissus
188	<i>Nephrolepis exaltata</i> cv.	Boston Fern

#	Botanical Name	Common Name
189	<i>Ocimum basilicum</i> cv.	Basil
190	<i>Opuntia</i> cv.	Cactus
191	<i>Paeonia</i> cv.	Peony
192	<i>Paphiopedilum</i> hybrid cv.	Ladyslipper Orchid
193	<i>Pelargonium peltatum</i> cv.	Ivy Geranium
194	<i>Pelargonium x hortorum</i> cv.	Zonal Geranium
195	<i>Pentas</i> hybrid cv.	Pentas star flower
196	<i>Peperomia</i> sp.	Peperomia
197	<i>Petroselinum crispum</i> cv.	Parsley
198	<i>Petunia x hybrida</i> cv.	Petunia
199	<i>Phalaenopsis</i> cv.	Moth Orchid
200	<i>Philodendron scandens</i> <i>oxycardium</i>	Heartleaf Philodendron
201	<i>Pilea cadierei</i>	Aluminum Plant
202	<i>Portulaca oleracea</i> cv.	Portulaca/Moss rose
203	<i>Primula malacoides</i> cv.	Primrose
204	<i>Protea</i> sp.	Protea
205	<i>Ranunculus</i> hybrid cv.	Ranunculus/Buttercups
206	<i>Rhododendron simsii</i> cv.	Azalea
207	<i>Rumohra adiantiformis</i>	Leatherleaf Fern
208	<i>Saintpaulia ionantha</i> cv.	African Violet
209	<i>Salvia splendens</i> cv.	Salvia

#	Botanical Name	Common Name
210	<i>Sansevieria trifasciata</i> cv.	Snake Plant
211	<i>Schefflera arboricola</i>	Dwarf Schefflera
212	<i>Schlumbergera bridgesii</i>	Christmas Cactus
213	<i>Sempervivum</i> hybrid cv.	Hens and Chicks
214	<i>Senecio cineraria</i>	Dusty Miller
215	<i>Senecio rowleyanus</i>	String of Pearls
216	<i>Solenostemon scutellarioides</i>	Coleus
217	<i>Solidago</i> hybrid cv	Solidago
218	<i>Spathiphyllum</i>	Peace Lily
219	<i>Stephanotis floribunda</i>	Stephanotis
220	<i>Strelitzia reginae</i>	Bird of Paradise
221	<i>Syngonium podophyllum</i>	Arrowhead plant
222	<i>Tagetes species</i> cv.	Marigold
223	<i>Tillandsia</i> spp.	Air Plant
224	<i>Tradescantia zebrina</i>	Inch Plant
225	<i>Tulipa</i> cv.	Tulip
226	<i>Verbena</i> hybrid cv.	Verbena
227	<i>Viola x wittrockiana</i> cv.	Pansy
228	<i>Zantedeschia</i> hybrid cv.	Calla Lily
229	<i>Zinnia</i> cv.	Zinnia

Appendix G: Equipment and Supply Identification List

Source: 2027 National FFA Floriculture CDE Handbook (revised June 2026).

#	Equipment or Supply
301	#100 Ribbon (satin, sheer, wired)
302	#3 Ribbon (satin, sheer, wired)
303	#40 Ribbon (satin, sheer, wired)
304	#9 Ribbon (satin, sheer, wired)
305	18-Gauge floral wire
306	28-Gauge floral wire
307	Anvil-and-blade pruner
308	Backflow preventer
309	Bouquet sleeve
310	Bulb planter
311	Cardette
312	Cell pack containers
313	Ceramic container
314	Chemical resistant gloves
315	Chenille stem
316	Coconut coir
317	Compressed air sprayer
318	Corsage box
319	Corsage pin
320	Corsage snips
321	Drip emitter, irrigation
322	Dry foam
323	Dust mask
324	Duster
325	Ellepot propagation cubes
326	Enclosure card
327	Fern greening pins
328	Fertilizer injectors
329	Floral adhesive
330	Floral foam
331	Floral knife
332	Floral preservative
333	Floral stem tape
334	Fogger

#	Equipment or Supply
335	Gas mask
336	Glass vase
337	Glue gun
338	Glue pan
339	Glue sticks
340	Granular fertilizer
341	Greenhouse thermostat
342	Hanging basket
343	Hearing protection
344	Hook-and-blade pruners (bypass pruners)
345	Hose punch
346	Hose repair coupling
347	Hose-end repair fitting
348	Hose-end sprayer
349	Hose-end washer
350	Impulse sprinkler
351	Drip Irrigation tape
352	Irrigation timer
353	Mist nozzle (mist bed)
354	Nosegay holder
355	Nursery container
356	Oscillating sprinkler
357	Peat moss
358	Peat pots
359	Pest strips
360	pH testing meter
361	Polyethylene film
362	Polyethylene pipe
363	Pot covers
364	Propagation mat
365	Propagation trays
366	PVC (polyvinylchloride) pipe
367	PVC pipe cutter
368	Resin-coated fertilizer

#	Equipment or Supply
369	Respirator
370	Ribbon shears
371	Rice hulls
372	Rockwool propagation cubes
373	Rose and stem flower stripper
374	Safety goggles
375	Sand
376	Scoop shovel
377	Shade fabric
378	Sharpening stone
379	Sheet moss
380	Siphon injector
381	Soil moisture meter
382	Solenoid valve
383	Spaghetti tubing (1/4" diameter or less)
384	Spanish moss
385	Sphagnum moss
386	Spray suit
387	Square point (flat) shovel
388	Styrofoam
389	Surestik cling
390	Tulle
391	Vermiculite
392	Water breaker
393	Water picks
394	Water soluble fertilizer
395	Water tubes
396	Waterproof container tape
397	Wire cutter
398	Wooden pick
399	Wrist corsage holder

Appendix H: Disorder Identification List

Source: 2027 National FFA Floriculture CDE Handbook (revised June 2026).

Nutritional/Environmental Disorders	
#	Disorder
401	Cold temperature (freeze)
402	Cold water damage
403	Ethylene damage
404	Insufficient water damage
405	Iron deficiency
406	Nitrogen deficiency
407	Phosphorus deficiency

Diseases	
#	Disorder
408	Botrytis – Gray mold
409	Damping-off
410	Downy mildew
411	Leaf spot (Black)
412	Powdery mildew
413	Root rot
414	Rust
415	Stem rot
416	Tospovirus (INSV and TSWV)

Insects and Pests	
#	Disorder
417	Aphids
418	Fungus gnats
419	Leaf miner
420	Leafhopper
421	Mealybugs
422	Scale
423	Shore flies
424	Snails/Slugs
425	Spider mites
426	Thrips
427	Whiteflies

Subcommittee

Standing subcommittee for this event

Name	School / Organization	Role
Taylor Wilton-Cooper	Omaha Bryan	Chair
Christine Barta	UNL — Agronomy & Horticulture	Superintendent
Abby Hitchler	Boone Central	Exec liaison
Dr. Matt Kreifels	UNL	Exec liaison
Rhiley Fiene	Cambridge	Member
Jenny Kocian	East Butler	Member
Tonya Mortensen	Medicine Valley	Member

What changed — 2026–2029 rev 1 EDITORIAL

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