

# NURSERY/LANDSCAPE

## 4 Member Team

---

---

### IMPORTANT NOTE

*Please thoroughly read the General CDE Rules Section at the beginning of this handbook for complete rules and procedures relevant to State FFA Career Development Events.*

#### I. PURPOSE

The purpose of the FFA Nursery/Landscape Career Development Event is to promote career interest, encourage proficiency development and recognize excellence in participants of the event which includes all aspects of the industry to produce, market, utilize and maintain landscape plants (woody and herbaceous plants), as well as related production and landscaping products, equipment and services including design.

#### II. OBJECTIVES

- A. Nursery/Landscape Principles: To apply nursery and landscape principles and practices as they impact residential, commercial, public and recreational applications.
- B. Plant Materials: To demonstrate the ability to identify, select and utilize nursery and landscape plants, landscape materials, and turfgrasses commonly used in the United States.
- C. Plant Disorders: To demonstrate the ability to identify unhealthy plant conditions due to pests, nutritional/physiological disorders and mechanical/chemical injury.
- D. Beneficial Insects: To demonstrate the ability to identify beneficial insects found in the landscape and garden.
- E. Cultural Practices: To demonstrate knowledge of the principles and skills involved in propagation, growth requirements, growing techniques, harvesting, sustainability, marketing and maintenance of landscape plants.
- F. Design and Construction: To demonstrate knowledge of the principles and techniques of landscape design and construction.
- G. Supplies and Equipment: To demonstrate the ability to identify, select, use and maintain appropriate supplies and equipment for nursery and landscape operations, including equipment and procedures in mechanization and automation.
- H. Safety: To demonstrate knowledge of safety practices in nursery and landscape operations.
- I. Interpersonal Relations: To demonstrate skills in oral and written business communications.
- J. Marketing: To demonstrate an understanding of marketing principles as well as proper sales and service skills.
- K. Records and Reports: To demonstrate the ability to prepare accurate and legible records and reports and to interpret business documents.

#### III. EVENT RULES

- A. Coaches may accompany participants to the event site but must then leave the area at the start of the event. At the conclusion of all event components, the superintendent will announce when participants and coaches may enter the competition area to review the materials and organization.

- B. Under no circumstances will any participant be allowed to touch or handle plant materials or other specimens during the event except as expressly permitted in certain practicums.
- C. Any participant in possession of an electronic device in the event area is subject to disqualification.

#### IV. **EVENT FORMAT**

##### A. Team Make-Up

Each school may enter only one team, consisting of 4 members and only those schools without a team may enter up to three individuals to compete for individual awards. Only those students who are competing will be allowed to participate in the event. The score for a team will consist of a total of all four members.

##### B. Equipment

- 1. No personal tools or supplies, except for pencils and pens, may be brought to the event unless specified in the event description.
- 2. The contest superintendent will supply clipboards, sample scan sheets for marking, identification lists, and official scan sheet to be turned in.

#### V. **EVENT SCHEDULE**

##### A. Each contestant shall complete the event in the time allotted:

- 1. General Knowledge
- 2. Identification of Plants, Disorders, Equipment and Supplies (30 seconds at each station)
  - a. Plant Identification
  - b. Pests/Disorders/Beneficial Insects Identification (ID of diseases, insects and related pests, physiological problems, weeds, and beneficial insects)
  - c. Equipment and Supplies Identification
- 3. Practicum (Each participant will participate in both)

#### VI. **COMPONENTS**

##### A. General Knowledge (150 points)

- 1. This portion of the event will consist of 50 questions addressing content from *Introduction to Horticulture--Third Edition*, published by the Oklahoma Department of Career and Technology Education.
- 2. Each question is worth 3 points.
- 3. Questions may be of the multiple-choice, true-false, and/or matching format(s).
- 4. Questions may or may not be written exactly as they are in the core. Although the exam will cover “general horticulture” knowledge, it will focus on nursery/landscape knowledge.

##### B. Plant Identification (125 points)

- 1. Each contestant will be required to identify 25 specimens (5 points each) from the Nursery/Landscape Identification list.
- 2. Contestants will receive an ID Card listing all possible specimens as shown on the attached list.
- 3. Contestants must place the ID number, representing the appropriate name, next to the number of the specimen to be identified.

4. Duplicate specimens may be used and may be represented by whole plants, stem cuttings, flowers, and/or a leaf or stem sample.
- C. Plant Pests/Disorders/Beneficial Insects Identification (45 points)
  1. Each contestant will be required to identify 15 specimens (3 points each) from the attached list.
  2. Duplicate specimens may be used and may be represented by the actual organism (insect, fruiting bodies from pathogenic fungi, or weeds for example) and/or by symptoms on plant parts such as leaves, stems, or roots.
  3. When a problem is presented with an affected plant, a “Disorder” label will be with the item to designate identification of the problem rather than the plant.
- D. Equipment and Supplies Identification (30 points)
  1. Each contestant will be required to identify 10 pieces of equipment (3 points each) from the attached list.
- E. Practicum (25 points each, 50 points total)
  1. All contestants will participate in all practicums.
  2. Each practicum activity will consist of a hands-on task and/or up to 25 questions about the practicum activity.
  3. The 2026 practicums are:
    - a. Judging: This portion of the contest will consist of judging two classes of four like specimens of ball and burlap shrubs or trees, container shrubs or trees, groundcovers, or bedding plants. Plants will be placed without reasons being given. Participants will have 3 minutes per class.
    - b. Equipment Maintenance: Tools from the list Equipment and Supplies Identification, a part for a tool, and/or an operating manual will be presented with answer choices of possible maintenance needs, corrective actions, and/or operating specifications. Examples of possible choices are low oil, uneven height setting, blade needs sharpening, incorrect gas:oil ratio provided, or replace broken handle. Equipment will be placed to allow observing all components in the answer choices without handling the item. If handling should be required, allowance for this will be stated with the answer choice. Students have 10 minutes to complete this phase.

## VII. SCORING

|  |              |
|--|--------------|
| General Knowledge                              | 150          |
| Plant Identification                           | 125          |
| Plant Pest/Disorder/Beneficials Identification | 45           |
| Equipment and Supplies Identification          | 30           |
| Practicums                                     | 50 (25 each) |
| <u>Total Points</u>                            |              |
| Individual                                     | 400          |
| Team   | 1600         |

## VIII. TIEBREAKERS

If needed in the case of tied individual or team total scores, final placings will be determined by comparing, in order, scores for the following:

- A. Phase 2 – Identification Section

B. Phase 3 – Written Exam

**IX. REFERENCES**

- *Introduction to Horticulture--Third Edition*, published by the Oklahoma Department of Career and Technology Education
- Be sure to check out OSU's Department of Horticulture and Landscape Architecture FFA CDE website at <https://agriculture.okstate.edu/departments-programs/hla/research-extension/youth/nursery-and-landscape-cde/> for additional FFA- CDE information, including sample exams and photos for identification.
- Always consult OCES Fact Sheets, accessible from the web address above, for the most up-to- date information.

**X. SUPPLEMENTAL MATERIALS AND FORMS**

- Nursery/Landscape CDE Materials <http://shopffa.org/products/129/CDE/>
- Oklahoma State Nursery/Landscape FFA CDE Plant ID Card
- Oklahoma State Nursery/Landscape FFA CDE Pests, Disorders and Beneficial Insects Card
- Oklahoma State Nursery/Landscape FFA CDE Equipment and Supplies Card
- Universal Form C #705C-1
- National Contest Resources <https://www.ffa.org/participate/cdes/nursery-landscape>