

# Nursery & Landscape

Rule years 2022–2027 · Revision 1 · Published October 10, 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 4 teams per district          |
| Students per team          | 4                                 |
| Grades                     | 9–12                              |
| National qualifying event? | Yes                               |
| Timeframe                  | FFA Convention                    |
| Host                       | UNL Agronomy & Horticulture Dept. |
| Event Superintendents      | Kim Todd, Terri James             |

## 1. Overview

Nursery & Landscape is a discipline of horticulture focused on landscape design concepts; identifying, growing, and managing landscape plants; and understanding and using hardscape materials and related products. The Nursery & Landscape Industry encompasses the following career opportunities: Production and management of nursery crops, including woody and herbaceous plants and turf grass; Landscape design, from client contact through site assessment to installation for private, commercial, and public sites; Landscape management, encompassing all aspects of landscape plants, beneficial insects and insect pests and diseases, and equipment use; Education, research, and technology fields used in plant and landscape systems.

The Nebraska Nursery & Landscape Career Development Event is designed to create an interest in careers in the Nursery and Landscape Industries through education and hands-on technical skills development. Areas of study and education that may align with the Nursery & Landscape CDE include Horticulture; Landscape Design and Management; Landscape, Greenhouse and Nursery Management; Turfgrass Management; Plant Science; Plant Biology; and others.

### Objectives

Demonstrate an understanding of the science and art associated with landscape design systems, principles, and processes

- Interpret client questions and answers to determine whether communication is effective
- Identify different types of landscape drawings and demonstrate your knowledge about how they are used to communicate to clients, contractors, and managers
- Analyze and assess site conditions (environmental, constructed, social/political) that will influence the success of a landscape plan
- Examine and interpret a landscape plan that includes plants, hardscape materials, and all aspects of a landscape system: Identify and describe how various elements and materials demonstrate order, unity, rhythm, scale and proportion, balance and focal points in a landscape plan

- Demonstrate how various plant types (evergreens, deciduous shrubs, etc.) are combined as part of the landscape system for function, management capabilities and aesthetics
- Correctly use drawings and drawing tools to calculate areas, volumes, and quantities, and make necessary conversions to produce correct numbers for materials needed
- Solve common calculations required to compare sizes, estimate prices, and determine correct application rates for landscape plants, hardscape materials, and chemicals
- Compare estimates of time and materials needed to complete a task to recommend the most cost-effective solution
- Evaluate and demonstrate logical processes used from site analysis through installation and management
- Identify plant materials, supplies, and equipment utilized in the Nursery/Landscape Industry
- Identify woody and herbaceous plants commonly used in Nebraska landscapes.
- Define general and specialized terms related to root, stem, leaf, flower, fruits and seeds morphology, type, venation, arrangement, and persistence
- Differentiate between different kingdoms, vascular plants and non-vascular plants, angiosperms and gymnosperms, monocotyledons and dicotyledons
- Differentiate between various types of flowers and fruits
- Demonstrate knowledge about correct scientific nomenclature, including identifying and describing the differences between genus, specific epithet, varieties, cultivars, hybrids and authorities
- Apply knowledge about plant identification to understanding how to assess a site environment for suitability to a plant's needs, and what management issues may arise if conditions are not ideal
- Identify insects (including beneficials), diseases, and weeds commonly found in Nebraska landscapes
- Apply knowledge about correct identification and use of tools and equipment needed to install and manage landscapes
- Identify tools used in developing landscape plans

Demonstrate an understanding of life sciences through application of general knowledge required to successfully produce and handle nursery materials and use best practices to sustainably manage them in landscapes. (See Resource Materials List)

- Recognize and describe factors influencing soil formation, major soil components and soil horizons
- Determine how landscape soils differ from other soils, and what steps should be taken to promote soil and plant health, including soil sampling and testing
- Apply knowledge about essential elements for plant growth and how these elements are absorbed and used to provide plant nutrition
- Demonstrate the ability to read and interpret labels for fertilizers and chemical insect and pest control, perform area takeoffs and other calculations to determine correct amounts and rates, and answer questions necessary to use products safely and legally

Demonstrate an understanding of Integrated Pest Management (IPM) and Best Management Practices (BMPs).

- Using live and/or digital images, identify atypical abiotic and biotic landscape symptoms, most probable cause, and recommended management procedures and materials
- Demonstrate knowledge about pesticide signal words, Lethal Dose (LD) and management of pesticide exposure risk and symptoms
- Recommend in order the steps used to develop an IPM or BMP program
- Describe different cultural, mechanical, and biological controls used in an Integrated Pest Management program

- Evaluate various stages of metamorphosis and how threshold levels and effectiveness of control methods are related
- Compare situations where different fertilizers, soil amendments or pesticides are used to determine best practices for environmental management.

## 2. Eligibility & Team

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

Schools must register a full team; however, teams with fewer than four students may participate but will not be eligible for full points.

## 3. What to Bring

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### Attire

- It's recommended that FFA members wear Official FFA Dress. Non-FFA members should wear professional dress.
- Members may remove jackets during hands-on activities.

### Supplies

Each student (or team) must bring the following items. A limited number may be available for use at the competition; however, these will be first-come, first-served.

- #2 Pencils
- Calculator - cellphones **may not be used** as calculators and are **not allowed** in this CDE
- Engineering scale - minimum of 2 per team
- Architects' scale - minimum of 2 per team

Scoring adjustments will not be made for students lacking the required supplies. Instructors will be notified of additional supplies and equipment needed at least two weeks prior to the state CDE.

## 4. Event Format

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### Timing

- See the CDE schedule on the website for the specific dates, places, and start times. Students must check in 20 minutes before the scheduled event start time.
- Students will rotate between three stations, with 30 minutes per event at each station and five minutes between stations.
- The specific schedule for each team's rotation will be provided at the beginning of the competition.
  - Orientation and Event Instructions
  - Team Activity
  - General Knowledge and Problem Solving
  - Plant, Pest, and Equipment Identification

## Format

The Nursery & Landscape CDE is based on broad landscape types found in most communities and common for nursery and landscape businesses. Each year, the broad landscape type will change. Basic questions will remain constant from year to year (equipment and plant ID, for example), while the application and problem-solving activities and questions will vary based on the landscape type. If changes are needed, we will communicate them before the start of the fall semester.

Each year, questions and activities will include the following important steps in the process used to design, build, and manage landscapes:

- A. Client questions and communication
- B. Site inventory and assessment
- C. Management
- D. Design

The emphasis on a specific step in the process will change each year, as shown in the theme schedule. However, the competition will always include questions pertaining to each of the other aspects of the process, with design emphasis remaining constant.

## Theme Schedule

2023: Commercial site (business landscape, management)

2024: Public site (school or park landscape, site inventory and assessment)

2025: Residential site (home landscape, client questions and communication)

2026: Commercial site (business landscape, management)

2027: Public site (school or park landscape, site inventory and assessment)

## Event Components

The Nursery & Landscape CDE consists of both team and individual activities.

### A. Team Activity: Design Principles and Application - 30 minutes

- I. Students will be given a landscape plan and other drawings and images and work together to 1) analyze and assess the environmental site conditions, and 2) interpret design intent and choose the plants and hardscape elements that contribute to the design.

A narrative or short case study statement will introduce the plan and set the stage for completing this part of the competition. Specific parts of the plan will be identified by a letter or number and students will answer questions that correctly describe the situation.

Contestants will have a 'choose from' list of possibilities.

- II. Students may complete landscape calculations as a part of this activity, and in the General Knowledge and Problem-Solving activity.

### B. Individual Activities

#### I. Plant, Pest, and Equipment Identification - 30 minutes

- 1. Students will use live, and pressed and/or preserved specimens supplemented with digital images to identify plants, insects, diseases, and equipment. Contestants will be provided with the identification lists (Appendices A, B, and C) and will enter the corresponding number from the lists for the correct choice. This activity will consist of a total of 60 specimens and/or images.

## II. General Knowledge and Problem Solving - 30 minutes

1. Students will be given an introductory narrative or short case study statement based on the landscape theme for the year. The narrative and plan will be the basis for all answers for this written exam. The exam will include 50 questions and problems, which may include multiple choice, matching, and fill-in-the-blank formats. The majority of the questions will be story problems. Calculations and problem solving questions will thread together client communication, site inventory and assessment, management and design. For example, students may be given a product label and will be expected to accurately identify its legal uses and the required amount for an area on the plan.
2. Contestants may be given questions about nursery propagation methods; landscape materials suitability, quantities and area takeoffs; plant growth processes and how they are impacted by environmental conditions and management.

## 5. Scoring & Tiebreakers

### Individual Scoring

| Component                                 | Detail                  | Points |
|-------------------------------------------|-------------------------|--------|
| Plant, Pest, and Equipment Identification | 60 Specimens × 2 Points | 120    |
| General Knowledge & Problem Solving       | 50 Questions × 2 Points | 100    |
| Grand total                               |                         | 220    |

### Individual Tiebreakers

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

- A. General Knowledge and Problem Solving Score
- B. Plant, Pest and Equipment Identification Score

### Team Scoring

| Component                                     | Detail                                                                              | Points |
|-----------------------------------------------|-------------------------------------------------------------------------------------|--------|
| Team Design Principles & Application Activity | Team design principles & application activity, judged on the annual landscape theme | 100    |
| Sum of Individual Scores                      | 4 Students × 220 Points                                                             | 880    |
| Grand total                                   |                                                                                     | 980    |

### Team Tiebreakers

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

- A. Team Activity Score (Design Principles and Application)
- B. General Knowledge and Problem Solving Score
- C. Plant, Pest and Equipment Identification Score

## 6. Study Resources

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### Approved study resources

- [UNL CDE Study Materials Folder \(OneDrive\)](#) — Practice materials and examples for this CDE.
- **Introductory Horticulture, 9th Ed. (or previous).** Carroll Shry and Edward Reiley. Delmar Cengage Learning. ISBN# 978-1285424729
- [Classification and Naming of Plants \(NU Extension Publication EC1272\)](#)
- [Identifying Landscape Plants \(NU Extension Publication EC1265\)](#)
- [Grow a Beautiful Space, Unit I \(NU Extension Curriculum 4H6110\)](#)
- [Grow a Beautiful Space, Unit I Leader's Guide \(NU Extension Curriculum 4H6115\)](#)
- [Grow a Beautiful Space, Unit II \(NU Extension Curriculum 4H6120\)](#)
- [Grow a Beautiful Space, Unit II Leader's Guide \(NU Extension Curriculum 4H6125\)](#)
- [Grow a Beautiful Space, Unit III \(NU Extension Curriculum 4H6130\)](#)
- [Grow a Beautiful Space, Unit III Leader's Guide \(NU Extension Curriculum 4H6135\)](#)
- [Properties of Landscape Soils \(NU Extension Publication EC1267\)](#)
- [Plant Nutrients and Soil Fertility \(NU Extension Publication EC1275\)](#)
- [Pesticide Safety in Landscapes \(NU Extension Publication EC 1271\)](#)
- [Integrated Pest Management for Landscapes \(NU Extension Publication EC1266\)](#)
- [Common Signs and Symptoms of Unhealthy Plants \(NU Extension Publication EC 1270\)](#)

### Past Exams

- [Nursery & Landscape page on the Nebraska CDEs website](#) — Past exams and scantrons, in the CDE study materials.

## 7. After the Event

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A post-CDE briefing will be available immediately following the competition. In addition, a summary of comments will be provided digitally to instructors prior to the end of the school year.

### List of Appendices

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- [Appendix A: Plant Identification List](#)
- [Appendix B: Pest Identification List](#)
- [Appendix C: Equipment Identification List](#)
- [Appendix D: Sample Scantron Sheets](#)

## Appendix A: Plant Identification List

| KEY | #   | SCIENTIFIC NAME                          | COMMON NAME                 | NE |
|-----|-----|------------------------------------------|-----------------------------|----|
| DS  | 101 | <i>Abelia x grandiflora</i>              | Glossy Abelia               |    |
| ET  | 102 | <i>Abies concolor</i>                    | White Fir                   | X  |
| DT  | 103 | <i>Acer palmatum</i> cv.                 | Japanese Maple              | X  |
| DT  | 104 | <i>Acer platanoides</i> cv.              | Norway Maple                |    |
| DT  | 105 | <i>Acer rubrum</i> cv.                   | Red Maple                   | X  |
| DT  | 106 | <i>Acer saccharum</i> cv.                | Sugar Maple                 | X  |
| HP  | 107 | <i>Ajuga reptans</i> cv.                 | Carpet Bugle                | X  |
| HA  | 108 | <i>Antirrhinum majus</i> cv.             | Snapdragon                  | X  |
| HP  | 109 | <i>Aquilegia x hybrida</i> cv.           | Columbine                   | X  |
| DT  | 110 | <i>Amelanchier arborea</i>               | Downy Serviceberry          | X  |
| HP  | 111 | <i>Astilbe hybrid</i> cv.                | Astilbe                     |    |
| HA  | 112 | <i>Begonia semperflorens</i> cultorum    | Wax Begonia                 | X  |
| BES | 113 | <i>Berberis x mentorensis</i>            | Mentor Barberry             |    |
| DT  | 114 | <i>Betula nigra</i>                      | River Birch                 | X  |
| HA  | 115 | <i>Brassaia actinophylla</i>             | Schefflera, Octopus Tree    |    |
| BES | 116 | <i>Buxus microphylla</i> cv.             | Littleleaf Boxwood          | X  |
| DS  | 117 | <i>Camellia japonica</i> cv.             | Common Camellia             |    |
| ET  | 118 | <i>Cedrus atlantica</i> 'Glauca'         | Blue Atlas Cedar            |    |
| DT  | 119 | <i>Cercis canadensis</i>                 | Redbud                      | X  |
| DS  | 120 | <i>Chaenomeles speciosa</i> cv.          | Japanese (Flowering) Quince | X  |
| DV  | 121 | <i>Clematis hybrid</i>                   | Clematis                    | X  |
| DT  | 122 | <i>Cornus florida</i> cv.                | Flowering Dogwood           |    |
| BES | 123 | <i>Cotoneaster dammeri</i>               | Bearberry Cotoneaster       |    |
| DS  | 124 | <i>Cotoneaster divaricatus</i>           | Spreading Cotoneaster       | X  |
| DT  | 125 | <i>Crataegus phaenopyrum</i>             | Washington Hawthorn         | X  |
| GC  | 126 | <i>Cynodon dactylon</i> cv               | Bermudagrass                |    |
| HA  | 127 | <i>Dieffenbachia maculata</i> cv.        | Spotted Dumb Cane           |    |
| HA  | 128 | <i>Dracaena deremensis</i> 'Warneckii'   | Striped Dracaena            |    |
| HA  | 129 | <i>Dracaena fragens</i> 'Massangeana'    | Corn Plant                  | X  |
| HP  | 130 | <i>Echinaceae purpurea</i>               | Purple Coneflower           | X  |
| HA  | 131 | <i>Epipremnum</i> spp.                   | Pothos                      | X  |
| DS  | 132 | <i>Euonymus alatus</i>                   | Winged Euonymus             | X  |
| BEV | 133 | <i>Euonymus fortunei</i> cv.             | Wintercreeper               | X  |
| DT  | 134 | <i>Fagus sylvatica</i> cv.               | European Beech              | X  |
| GC  | 135 | <i>Festuca</i> spp. and cv.              | Fescue                      | X  |
| HA  | 136 | <i>Ficus benjamina</i>                   | Benjamin Fig                | X  |
| HA  | 137 | <i>Ficus elastica</i> 'Decora'           | Decora Rubber Plant         |    |
| DS  | 138 | <i>Forsythia x intermedia</i> cv.        | Border Forsythia            | X  |
| DT  | 139 | <i>Fraxinus americana</i> cv.            | White Ash                   |    |
| HP  | 140 | <i>Gaillardia aristata</i> cv.           | Common Blanketflower        |    |
| DS  | 141 | <i>Gardenia jasminoides</i> 'Fortuniana' | Common Gardenia             |    |
| DT  | 142 | <i>Ginkgo biloba</i>                     | Ginkgo, Maidenhair Tree     | X  |
| DT  | 143 | <i>Gleditsia triacanthos inermis</i> cv. | Thornless Honeylocust       | X  |
| BEV | 144 | <i>Hedera helix</i> cv.                  | English Ivy                 |    |
| HP  | 145 | <i>Hemerocallis</i> spp. and cv.         | Day lily                    | X  |

| KEY | #   | SCIENTIFIC NAME                         | COMMON NAME                       | NE |
|-----|-----|-----------------------------------------|-----------------------------------|----|
| HP  | 146 | <i>Hosta x hybrida cv.</i>              | Plaintain Lily                    | X  |
| DS  | 147 | <i>Hydrangea quercifolia</i>            | Oakleaf Hydrangea                 | X  |
| DS  | 148 | <i>Hydrangea macrophylla</i>            | Bigleaf Hydrangea                 |    |
| BET | 149 | <i>Ilex cornuta cv.</i>                 | Chinese Holly                     |    |
| BES | 150 | <i>Ilex crenata cv.</i>                 | Japanese Holly                    |    |
| BES | 151 | <i>Ilex x meserveae cv.</i>             | Meserve Holly                     | X  |
| HA  | 152 | <i>Impatiens hybrid cv.</i>             | Impatiens                         | X  |
| HP  | 153 | <i>Iris x germanica florentina cv.</i>  | Bearded Iris                      | X  |
| ES  | 154 | <i>Juniperus chinensis cv.</i>          | Chinese Juniper                   | X  |
| ES  | 155 | <i>Juniperus horizontalis cv.</i>       | Creeping Juniper                  | X  |
| DT  | 156 | <i>Lagerstroemia indica cv.</i>         | Crape Myrtle                      |    |
| HP  | 157 | <i>Leucanthemum x superbum</i>          | Shasta Daisy                      |    |
| DT  | 158 | <i>Liquidambar styraciflua</i>          | Sweet Gum                         | X  |
| DT  | 159 | <i>Liriodendron tulipifera</i>          | Tuliptree                         | X  |
| GC  | 160 | <i>Liriope spp. cv.</i>                 | Lilyturf                          | X  |
| DV  | 161 | <i>Lonicera japonica 'Halliana'</i>     | Hall's Japanese Honeysuckle       |    |
| BET | 162 | <i>Magnolia grandiflora cv.</i>         | Southern Magnolia                 |    |
| DT  | 163 | <i>Magnolia x soulangiana cv.</i>       | Chinese (Saucer) Magnolia         | X  |
| BES | 164 | <i>Mahonia aquifolia cv.</i>            | Oregon Grape                      |    |
| DT  | 165 | <i>Malus spp. and cv.</i>               | Flowering Crabapple               | X  |
| BES | 166 | <i>Myrica pensylvanica</i>              | Bayberry                          |    |
| BES | 167 | <i>Nandina domestica</i>                | Heavenly Bamboo                   |    |
| HP  | 168 | <i>Narcissus pseudonarcissus cv.</i>    | Daffodil                          | X  |
| DT  | 169 | <i>Nyssa sylvatica</i>                  | Sour (Black) Gum                  |    |
| GC  | 170 | <i>Pachysandra terminalis</i>           | Japanese Spurge                   |    |
| HP  | 171 | <i>Paeonia hybrid cv.</i>               | Peony                             | X  |
| V   | 172 | <i>Parthenocissus tricuspidata</i>      | Boston Ivy                        | X  |
| HA  | 173 | <i>Pelargonium x hortorum cv.</i>       | Zonal Geranium                    | X  |
| HA  | 174 | <i>Pennisetum ruppelia</i>              | Fountain Grass                    | X  |
| HA  | 175 | <i>Petunia x hybrida cv.</i>            | Petunia                           | X  |
| HA  | 176 | <i>Philodendron scandens oxycardium</i> | Heartleaf Philodendron            |    |
| ET  | 177 | <i>Picea abies</i>                      | Norway Spruce                     | X  |
| ET  | 178 | <i>Picea pungens cv.</i>                | Colorado (Blue ) Spruce           | X  |
| BES | 179 | <i>Pieris japonica</i>                  | Lily-of-the-Valley Bush           |    |
| ES  | 180 | <i>Pinus mugo</i>                       | Mugo Pine                         | X  |
| ET  | 181 | <i>Pinus strobus</i>                    | Eastern White Pine                | X  |
| ET  | 182 | <i>Pinus sylvestris</i>                 | Scotch Pine                       |    |
| ET  | 183 | <i>Pinus thunbergiana</i>               | Japanese Black Pine               |    |
| DT  | 184 | <i>Platanus x acerifolia</i>            | London Planetree                  | X  |
| GC  | 185 | <i>Poa pratensis cv .</i>               | Kentucky Bluegrass                | X  |
| BES | 186 | <i>Podocarpus macrophyllus</i>          | Southern Yew                      |    |
| DS  | 187 | <i>Potentilla fruticosa cv.</i>         | Shrubby Cinquefoil                |    |
| BES | 188 | <i>Prunus laurocerasus cv.</i>          | Cherry Laurel                     |    |
| DT  | 189 | <i>Prunus serrulata 'Kwanzan'</i>       | Kwanzan Japanese Flowering Cherry |    |
| BES | 190 | <i>Pyracantha coccinea cv.</i>          | Firethorn                         |    |
| DT  | 191 | <i>Quercus alba</i>                     | White Oak                         |    |
| DT  | 192 | <i>Quercus palustris</i>                | Pin Oak                           |    |

| KEY | #   | SCIENTIFIC NAME                     | COMMON NAME                     | NE |
|-----|-----|-------------------------------------|---------------------------------|----|
| DT  | 193 | <i>Quercus rubra</i>                | Red Oak                         | X  |
| BES | 194 | <i>Rhododendron x catawbiense</i>   | Catawba Hybrid Rhododendron     | X  |
| BES | 195 | <i>Rhododendron Hybrid</i>          | Exbury Hybrid Azalea            | X  |
| DS  | 196 | <i>Rosa spp.</i>                    | Landscape/Shrub Rose cv.        | X  |
| HP  | 197 | <i>Salvia nemorosa cv.</i>          | Meadow Sage                     | X  |
| HP  | 198 | <i>Sedum spp.</i>                   | Sedum                           | X  |
| HA  | 199 | <i>Solenostemon scutellarioides</i> | Coleus                          | X  |
| DT  | 200 | <i>Sorbus aucuparia</i>             | European Mountain Ash           |    |
| DS  | 201 | <i>Spiraea x bumalda</i>            | Bumalda Spirea                  | X  |
| DS  | 202 | <i>Syringa vulgaris cv.</i>         | Common Lilac                    | X  |
| HA  | 203 | <i>Tagetes spp. cv.</i>             | Marigold                        | X  |
| DT  | 204 | <i>Taxodium distichum</i>           | Bald Cypress                    | X  |
| ES  | 205 | <i>Taxus spp. and cv.</i>           | Yew                             | X  |
| ES  | 206 | <i>Thuja occidentalis cv.</i>       | American Arborvitae             |    |
| DT  | 207 | <i>Tilia cordata</i>                | Littleleaf Linden               | X  |
| ET  | 208 | <i>Tsuga canadensis</i>             | Canadian Hemlock                |    |
| HP  | 209 | <i>Tulipa spp. cv.</i>              | Tulip                           | X  |
| HA  | 210 | <i>Verbena x hybrida cv.</i>        | Garden Verbena                  |    |
| BES | 211 | <i>Viburnum x burkwoodii</i>        | Burkwood Viburnum               |    |
| DS  | 212 | <i>Viburnum trilobum</i>            | American Cranberrybush Viburnum | X  |
| BEV | 213 | <i>Vinca minor cv.</i>              | Periwinkle                      | X  |
| HA  | 214 | <i>Viola x wittrockiana cv.</i>     | Pansy                           | X  |
| DV  | 215 | <i>Wisteria sinensis cv.</i>        | Chinese Wisteria                | X  |
| HP  | 216 | <i>Yucca filamentosa</i>            | Adam's Needle                   | X  |

## Table Key:

BES – Broadleaf Evergreen Shrub  
 BES – Broadleaf Evergreen Shrub  
 BET – Broadleaf Evergreen Tree  
 BEV – Broadleaf Evergreen Vine  
 BI – Beneficial Insect  
 D – Disease  
 DS - Deciduous Shrub  
 DT – Deciduous Tree  
 DV – Deciduous Vine

E – Equipment  
 ES – Evergreen Shrub  
 ET – Evergreen Tree  
 GC – Ground Cover  
 HA – Herbaceous Annual  
 HP – Herbaceous Perennial  
 I – Insect  
 PP – Physiological Problems  
 W – Weed

## Appendix B: Pest Identification List

| KEY | #   | COMMON NAME                       | NE |
|-----|-----|-----------------------------------|----|
| I   | 217 | Aphid                             | X  |
| I   | 218 | Bagworm                           | X  |
| I   | 219 | Borer                             | X  |
| I   | 220 | Leafhopper                        | X  |
| I   | 221 | Leaf Miner                        | X  |
| I   | 222 | Scale                             | X  |
| I   | 223 | Spider Mite                       | X  |
| I   | 224 | Snail/Slug                        | X  |
| I   | 225 | Whitefly                          | X  |
| I   | 226 | White Grub                        | X  |
| D   | 227 | Anthrachnose                      | X  |
| D   | 228 | Apple Scab                        | X  |
| D   | 229 | Black Spot                        | X  |
| D   | 230 | Botrytis                          | X  |
| D   | 231 | Canker                            | X  |
| D   | 232 | Cedar-Apple Rust                  | X  |
| D   | 233 | Crown Gall                        | X  |
| D   | 234 | Fireblight                        | X  |
| D   | 235 | Powdery Mildew                    | X  |
| D   | 236 | Root Rot                          | X  |
| W   | 237 | Annual Bluegrass                  | X  |
| W   | 238 | Broadleaf Plantain                | X  |
| W   | 239 | Buckhorn Plantain                 | X  |
| W   | 240 | Chickweed                         | X  |
| W   | 241 | Crabgrass                         | X  |
| W   | 242 | Dandelion                         | X  |
| W   | 243 | Henbit                            | X  |
| W   | 244 | Nutsedge                          | X  |
| W   | 245 | Oxalis                            | X  |
| W   | 246 | Purslane                          | X  |
| W   | 247 | Clovers                           | X  |
| PP  | 248 | Frost/Freeze Injury               | X  |
| PP  | 249 | Iron Deficiency                   |    |
| PP  | 250 | Leaf Scorch (drought/winter burn) | X  |
| PP  | 251 | Nitrogen Deficiency               | X  |
| PP  | 252 | Pot-Bound roots                   |    |
| PP  | 253 | String Trimmer Injury             | X  |
| PP  | 254 | 2,4-D Injury                      | X  |
| BI  | 255 | Praying Mantis                    | X  |
| BI  | 256 | Lady Beetle                       |    |
| BI  | 257 | Paper Wasp                        | X  |
| BI  | 258 | Lacewing                          |    |
| BI  | 259 | Spider                            | X  |

## Appendix C: Equipment Identification List

| KEY | #   | NAME                         | NE |
|-----|-----|------------------------------|----|
| E   | 260 | anvil-and-blade pruner       | X  |
| E   | 261 | ball cart (B&B truck)        |    |
| E   | 262 | bark mulch                   |    |
| E   | 263 | bow saw                      |    |
| E   | 264 | broadcast (cyclone) spreader |    |
| E   | 265 | bubbler head, irrigation     | X  |
| E   | 266 | bulb planter                 |    |
| E   | 267 | bunker rake                  |    |
| E   | 268 | burlap                       |    |
| E   | 269 | compressed air sprayer       |    |
| E   | 270 | core aerifier                |    |
| E   | 271 | chain saw                    |    |
| E   | 272 | cut-off machine              | X  |
| E   | 273 | drip emitter, irrigation     | X  |
| E   | 274 | dry-lock wall block          |    |
| E   | 275 | edger (power or hand)        |    |
| E   | 276 | edging                       |    |
| E   | 277 | erosion netting              |    |
| E   | 278 | fertilizer injector          |    |
| E   | 279 | fertilizer tablet            |    |
| E   | 280 | garden (spading) fork        |    |
| E   | 281 | garden (bow) rake            |    |
| E   | 282 | grafting band                |    |
| E   | 283 | grafting knife               | X  |
| E   | 284 | granular fertilizer          |    |
| E   | 285 | gravity (drop) spreader      |    |
| E   | 286 | ground/pelleted limestone    |    |
| E   | 287 | hedge shears                 |    |
| E   | 288 | hoe                          |    |
| E   | 289 | hook-and-blade pruners       | X  |
| E   | 290 | hose-end repair fitting      |    |
| E   | 291 | hose-end sprayer             |    |
| E   | 292 | hose-end washer              |    |
| E   | 293 | hose repair coupling         |    |
| E   | 294 | impact sprinkler             | X  |
| E   | 295 | irrigation ring tool         |    |
| E   | 296 | landscape fabric             |    |
| E   | 297 | leaf rake                    |    |
| E   | 298 | loppers                      |    |
| E   | 299 | mattock                      |    |
| E   | 300 | measuring wheel              | X  |
| E   | 301 | mist nozzle (mist bed)       | X  |
| E   | 302 | mower blade balancer         |    |
| E   | 303 | nursery container            |    |
| E   | 304 | oscillating sprinkler        |    |
| E   | 305 | peat moss                    |    |

## Appendix D: Sample Scantron Sheets

| Organization Name |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| A                 | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A |
| B                 | B | B | B | B | B | B | B | B | B | B | B | B | B | B | B | B | B | B | B |
| C                 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| D                 | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D |
| E                 | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E |
| F                 | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F |
| G                 | G | G | G | G | G | G | G | G | G | G | G | G | G | G | G | G | G | G | G |
| H                 | H | H | H | H | H | H | H | H | H | H | H | H | H | H | H | H | H | H | H |
| I                 | I | I | I | I | I | I | I | I | I | I | I | I | I | I | I | I | I | I | I |
| J                 | J | J | J | J | J | J | J | J | J | J | J | J | J | J | J | J | J | J | J |
| K                 | K | K | K | K | K | K | K | K | K | K | K | K | K | K | K | K | K | K | K |
| L                 | L | L | L | L | L | L | L | L | L | L | L | L | L | L | L | L | L | L | L |
| M                 | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M |
| N                 | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N |
| O                 | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O |
| P                 | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| Q                 | Q | Q | Q | Q | Q | Q | Q | Q | Q | Q | Q | Q | Q | Q | Q | Q | Q | Q | Q |
| R                 | R | R | R | R | R | R | R | R | R | R | R | R | R | R | R | R | R | R | R |
| S                 | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S |
| T                 | T | T | T | T | T | T | T | T | T | T | T | T | T | T | T | T | T | T | T |
| U                 | U | U | U | U | U | U | U | U | U | U | U | U | U | U | U | U | U | U | U |
| V                 | V | V | V | V | V | V | V | V | V | V | V | V | V | V | V | V | V | V | V |
| W                 | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W |
| X                 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Y                 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y |
| Z                 | Z | Z | Z | Z | Z | Z | Z | Z | Z | Z | Z | Z | Z | Z | Z | Z | Z | Z | Z |

| Team ID |   |   |   |   |   |   |   |
|---------|---|---|---|---|---|---|---|
|         |   |   |   |   |   |   |   |
| 0       | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2       | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 3       | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 4       | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 5       | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 6       | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 7       | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 8       | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 9       | 9 | 9 | 9 | 9 | 9 | 9 | 9 |

|                                                                                 |
|---------------------------------------------------------------------------------|
| <b>Nebraska Nursery &amp;<br/>Landscapes CDE</b><br>Form A - Page 1<br>v2020.03 |
|---------------------------------------------------------------------------------|

Form  
**A**  
TEAMS

| Special Codes |   |   |   |   |   |   |   |
|---------------|---|---|---|---|---|---|---|
|               |   |   |   |   |   |   |   |
| 0             | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1             | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2             | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 3             | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 4             | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 5             | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 6             | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 7             | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 8             | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 9             | 9 | 9 | 9 | 9 | 9 | 9 | 9 |

| Team Design Principles & Application Activity |   |   |   |   |   |    |   |   |   |   |   |    |   |   |   |   |   |    |   |   |   |   |   |    |   |   |   |   |   |
|-----------------------------------------------|---|---|---|---|---|----|---|---|---|---|---|----|---|---|---|---|---|----|---|---|---|---|---|----|---|---|---|---|---|
| 1                                             | A | B | C | D | E | 11 | A | B | C | D | E | 21 | A | B | C | D | E | 31 | A | B | C | D | E | 41 | A | B | C | D | E |
| 2                                             | A | B | C | D | E | 12 | A | B | C | D | E | 22 | A | B | C | D | E | 32 | A | B | C | D | E | 42 | A | B | C | D | E |
| 3                                             | A | B | C | D | E | 13 | A | B | C | D | E | 23 | A | B | C | D | E | 33 | A | B | C | D | E | 43 | A | B | C | D | E |
| 4                                             | A | B | C | D | E | 14 | A | B | C | D | E | 24 | A | B | C | D | E | 34 | A | B | C | D | E | 44 | A | B | C | D | E |
| 5                                             | A | B | C | D | E | 15 | A | B | C | D | E | 25 | A | B | C | D | E | 35 | A | B | C | D | E | 45 | A | B | C | D | E |
| 6                                             | A | B | C | D | E | 16 | A | B | C | D | E | 26 | A | B | C | D | E | 36 | A | B | C | D | E | 46 | A | B | C | D | E |
| 7                                             | A | B | C | D | E | 17 | A | B | C | D | E | 27 | A | B | C | D | E | 37 | A | B | C | D | E | 47 | A | B | C | D | E |
| 8                                             | A | B | C | D | E | 18 | A | B | C | D | E | 28 | A | B | C | D | E | 38 | A | B | C | D | E | 48 | A | B | C | D | E |
| 9                                             | A | B | C | D | E | 19 | A | B | C | D | E | 29 | A | B | C | D | E | 39 | A | B | C | D | E | 49 | A | B | C | D | E |
| 10                                            | A | B | C | D | E | 20 | A | B | C | D | E | 30 | A | B | C | D | E | 40 | A | B | C | D | E | 50 | A | B | C | D | E |

| Last Name |   |   |   |   |   |   |   |   |   | First Name |   |   |   |   |   |   |   |   |   |
|-----------|---|---|---|---|---|---|---|---|---|------------|---|---|---|---|---|---|---|---|---|
|           |   |   |   |   |   |   |   |   |   |            |   |   |   |   |   |   |   |   |   |
| A         | A | A | A | A | A | A | A | A | A | A          | A | A | A | A | A | A | A | A | A |
| B         | B | B | B | B | B | B | B | B | B | B          | B | B | B | B | B | B | B | B | B |
| C         | C | C | C | C | C | C | C | C | C | C          | C | C | C | C | C | C | C | C | C |
| D         | D | D | D | D | D | D | D | D | D | D          | D | D | D | D | D | D | D | D | D |
| E         | E | E | E | E | E | E | E | E | E | E          | E | E | E | E | E | E | E | E | E |
| F         | F | F | F | F | F | F | F | F | F | F          | F | F | F | F | F | F | F | F | F |
| G         | G | G | G | G | G | G | G | G | G | G          | G | G | G | G | G | G | G | G | G |
| H         | H | H | H | H | H | H | H | H | H | H          | H | H | H | H | H | H | H | H | H |
| I         | I | I | I | I | I | I | I | I | I | I          | I | I | I | I | I | I | I | I | I |
| J         | J | J | J | J | J | J | J | J | J | J          | J | J | J | J | J | J | J | J | J |
| K         | K | K | K | K | K | K | K | K | K | K          | K | K | K | K | K | K | K | K | K |
| L         | L | L | L | L | L | L | L | L | L | L          | L | L | L | L | L | L | L | L | L |
| M         | M | M | M | M | M | M | M | M | M | M          | M | M | M | M | M | M | M | M | M |
| N         | N | N | N | N | N | N | N | N | N | N          | N | N | N | N | N | N | N | N | N |
| O         | O | O | O | O | O | O | O | O | O | O          | O | O | O | O | O | O | O | O | O |
| P         | P | P | P | P | P | P | P | P | P | P          | P | P | P | P | P | P | P | P | P |
| Q         | Q | Q | Q | Q | Q | Q | Q | Q | Q | Q          | Q | Q | Q | Q | Q | Q | Q | Q | Q |
| R         | R | R | R | R | R | R | R | R | R | R          | R | R | R | R | R | R | R | R | R |
| S         | S | S | S | S | S | S | S | S | S | S          | S | S | S | S | S | S | S | S | S |
| T         | T | T | T | T | T | T | T | T | T | T          | T | T | T | T | T | T | T | T | T |
| U         | U | U | U | U | U | U | U | U | U | U          | U | U | U | U | U | U | U | U | U |
| V         | V | V | V | V | V | V | V | V | V | V          | V | V | V | V | V | V | V | V | V |
| W         | W | W | W | W | W | W | W | W | W | W          | W | W | W | W | W | W | W | W | W |
| X         | X | X | X | X | X | X | X | X | X | X          | X | X | X | X | X | X | X | X | X |
| Y         | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y          | Y | Y | Y | Y | Y | Y | Y | Y | Y |
| Z         | Z | Z | Z | Z | Z | Z | Z | Z | Z | Z          | Z | Z | Z | Z | Z | Z | Z | Z | Z |

| Student ID |   |   |   |   |   |   |   |   |   |
|------------|---|---|---|---|---|---|---|---|---|
| 0          | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1          | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2          | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 3          | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 4          | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 5          | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 6          | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 7          | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 8          | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 9          | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |

**Nebraska Nursery &  
Landscapes CDE**  
Form B - Page 1  
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Form  
**B**

| Special Codes |   |   |   |   |   |   |   |   |   |
|---------------|---|---|---|---|---|---|---|---|---|
| 0             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1             | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2             | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 3             | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 4             | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 5             | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 6             | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 7             | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 8             | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 9             | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |

| Plant, Pest, and Equipment ID |   |   |   |   |   |   |   |   |    |    |    |    |    |    |
|-------------------------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|
| 1                             | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|                               |   |   |   |   |   |   |   |   |    |    |    |    |    |    |
| 0                             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 0  | 0  | 0  |
| 1                             | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  | 1  | 1  |
| 2                             | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2  | 2  | 2  | 2  | 2  | 2  |
| 3                             | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3  | 3  | 3  | 3  | 3  | 3  |
| 4                             | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4  | 4  | 4  | 4  | 4  | 4  |
| 5                             | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5  | 5  | 5  | 5  | 5  | 5  |
| 6                             | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6  | 6  | 6  | 6  | 6  | 6  |
| 7                             | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7  | 7  | 7  | 7  | 7  | 7  |
| 8                             | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8  | 8  | 8  | 8  | 8  | 8  |
| 9                             | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9  | 9  | 9  | 9  | 9  | 9  |

| Plant, Pest, and Equipment ID |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-------------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 16                            | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|                               |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0                             | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |
| 1                             | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| 2                             | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 3                             | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 4                             | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  |
| 5                             | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  |
| 6                             | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  |
| 7                             | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7  |
| 8                             | 8  | 8  | 8  | 8  | 8  | 8  | 8  | 8  | 8  | 8  | 8  | 8  | 8  | 8  |
| 9                             | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  |

| Plant, Pest, and Equipment ID |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |  |  |
|-------------------------------|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|--|--|
| 31                            |   |   | 32 |   |   | 33 |   |   | 34 |   |   | 35 |   |   | 36 |   |   | 37 |   |   | 38 |   |   | 39 |   |   | 40 |   |   | 41 |   |   | 42 |   |   | 43 |   |   | 44 |   |   | 45 |  |  |
| 0                             | 0 | 0 | 0  | 0 | 0 | 0  | 0 | 0 | 0  | 0 | 0 | 0  | 0 | 0 | 0  | 0 | 0 | 0  | 0 | 0 | 0  | 0 | 0 | 0  | 0 | 0 | 0  | 0 | 0 | 0  | 0 | 0 | 0  | 0 | 0 | 0  | 0 | 0 | 0  |   |   |    |  |  |
| 1                             | 1 | 1 | 1  | 1 | 1 | 1  | 1 | 1 | 1  | 1 | 1 | 1  | 1 | 1 | 1  | 1 | 1 | 1  | 1 | 1 | 1  | 1 | 1 | 1  | 1 | 1 | 1  | 1 | 1 | 1  | 1 | 1 | 1  | 1 | 1 | 1  | 1 | 1 | 1  | 1 | 1 |    |  |  |
| 2                             | 2 | 2 | 2  | 2 | 2 | 2  | 2 | 2 | 2  | 2 | 2 | 2  | 2 | 2 | 2  | 2 | 2 | 2  | 2 | 2 | 2  | 2 | 2 | 2  | 2 | 2 | 2  | 2 | 2 | 2  | 2 | 2 | 2  | 2 | 2 | 2  | 2 | 2 | 2  | 2 | 2 |    |  |  |
| 3                             | 3 | 3 | 3  | 3 | 3 | 3  | 3 | 3 | 3  | 3 | 3 | 3  | 3 | 3 | 3  | 3 | 3 | 3  | 3 | 3 | 3  | 3 | 3 | 3  | 3 | 3 | 3  | 3 | 3 | 3  | 3 | 3 | 3  | 3 | 3 | 3  | 3 | 3 | 3  | 3 | 3 |    |  |  |
| 4                             | 4 | 4 | 4  | 4 | 4 | 4  | 4 | 4 | 4  | 4 | 4 | 4  | 4 | 4 | 4  | 4 | 4 | 4  | 4 | 4 | 4  | 4 | 4 | 4  | 4 | 4 | 4  | 4 | 4 | 4  | 4 | 4 | 4  | 4 | 4 | 4  | 4 | 4 | 4  | 4 | 4 |    |  |  |
| 5                             | 5 | 5 | 5  | 5 | 5 | 5  | 5 | 5 | 5  | 5 | 5 | 5  | 5 | 5 | 5  | 5 | 5 | 5  | 5 | 5 | 5  | 5 | 5 | 5  | 5 | 5 | 5  | 5 | 5 | 5  | 5 | 5 | 5  | 5 | 5 | 5  | 5 | 5 | 5  | 5 | 5 |    |  |  |
| 6                             | 6 | 6 | 6  | 6 | 6 | 6  | 6 | 6 | 6  | 6 | 6 | 6  | 6 | 6 | 6  | 6 | 6 | 6  | 6 | 6 | 6  | 6 | 6 | 6  | 6 | 6 | 6  | 6 | 6 | 6  | 6 | 6 | 6  | 6 | 6 | 6  | 6 | 6 | 6  | 6 | 6 |    |  |  |
| 7                             | 7 | 7 | 7  | 7 | 7 | 7  | 7 | 7 | 7  | 7 | 7 | 7  | 7 | 7 | 7  | 7 | 7 | 7  | 7 | 7 | 7  | 7 | 7 | 7  | 7 | 7 | 7  | 7 | 7 | 7  | 7 | 7 | 7  | 7 | 7 | 7  | 7 | 7 | 7  | 7 | 7 |    |  |  |
| 8                             | 8 | 8 | 8  | 8 | 8 | 8  | 8 | 8 | 8  | 8 | 8 | 8  | 8 | 8 | 8  | 8 | 8 | 8  | 8 | 8 | 8  | 8 | 8 | 8  | 8 | 8 | 8  | 8 | 8 | 8  | 8 | 8 | 8  | 8 | 8 | 8  | 8 | 8 | 8  | 8 | 8 |    |  |  |
| 9                             | 9 | 9 | 9  | 9 | 9 | 9  | 9 | 9 | 9  | 9 | 9 | 9  | 9 | 9 | 9  | 9 | 9 | 9  | 9 | 9 | 9  | 9 | 9 | 9  | 9 | 9 | 9  | 9 | 9 | 9  | 9 | 9 | 9  | 9 | 9 | 9  | 9 | 9 | 9  | 9 | 9 |    |  |  |

| Plant, Pest, and Equipment ID |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |  |  |
|-------------------------------|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|--|--|
| 46                            |   |   | 47 |   |   | 48 |   |   | 49 |   |   | 50 |   |   | 51 |   |   | 52 |   |   | 53 |   |   | 54 |   |   | 55 |   |   | 56 |   |   | 57 |   |   | 58 |   |   | 59 |   |   | 60 |  |  |
| 0                             | 0 | 0 | 0  | 0 | 0 | 0  | 0 | 0 | 0  | 0 | 0 | 0  | 0 | 0 | 0  | 0 | 0 | 0  | 0 | 0 | 0  | 0 | 0 | 0  | 0 | 0 | 0  | 0 | 0 | 0  | 0 | 0 | 0  | 0 | 0 | 0  | 0 | 0 | 0  | 0 | 0 |    |  |  |
| 1                             | 1 | 1 | 1  | 1 | 1 | 1  | 1 | 1 | 1  | 1 | 1 | 1  | 1 | 1 | 1  | 1 | 1 | 1  | 1 | 1 | 1  | 1 | 1 | 1  | 1 | 1 | 1  | 1 | 1 | 1  | 1 | 1 | 1  | 1 | 1 | 1  | 1 | 1 | 1  | 1 | 1 |    |  |  |
| 2                             | 2 | 2 | 2  | 2 | 2 | 2  | 2 | 2 | 2  | 2 | 2 | 2  | 2 | 2 | 2  | 2 | 2 | 2  | 2 | 2 | 2  | 2 | 2 | 2  | 2 | 2 | 2  | 2 | 2 | 2  | 2 | 2 | 2  | 2 | 2 | 2  | 2 | 2 | 2  | 2 | 2 |    |  |  |
| 3                             | 3 | 3 | 3  | 3 | 3 | 3  | 3 | 3 | 3  | 3 | 3 | 3  | 3 | 3 | 3  | 3 | 3 | 3  | 3 | 3 | 3  | 3 | 3 | 3  | 3 | 3 | 3  | 3 | 3 | 3  | 3 | 3 | 3  | 3 | 3 | 3  | 3 | 3 | 3  | 3 | 3 |    |  |  |
| 4                             | 4 | 4 | 4  | 4 | 4 | 4  | 4 | 4 | 4  | 4 | 4 | 4  | 4 | 4 | 4  | 4 | 4 | 4  | 4 | 4 | 4  | 4 | 4 | 4  | 4 | 4 | 4  | 4 | 4 | 4  | 4 | 4 | 4  | 4 | 4 | 4  | 4 | 4 | 4  | 4 | 4 |    |  |  |
| 5                             | 5 | 5 | 5  | 5 | 5 | 5  | 5 | 5 | 5  | 5 | 5 | 5  | 5 | 5 | 5  | 5 | 5 | 5  | 5 | 5 | 5  | 5 | 5 | 5  | 5 | 5 | 5  | 5 | 5 | 5  | 5 | 5 | 5  | 5 | 5 | 5  | 5 | 5 | 5  | 5 | 5 |    |  |  |
| 6                             | 6 | 6 | 6  | 6 | 6 | 6  | 6 | 6 | 6  | 6 | 6 | 6  | 6 | 6 | 6  | 6 | 6 | 6  | 6 | 6 | 6  | 6 | 6 | 6  | 6 | 6 | 6  | 6 | 6 | 6  | 6 | 6 | 6  | 6 | 6 | 6  | 6 | 6 | 6  | 6 | 6 |    |  |  |
| 7                             | 7 | 7 | 7  | 7 | 7 | 7  | 7 | 7 | 7  | 7 | 7 | 7  | 7 | 7 | 7  | 7 | 7 | 7  | 7 | 7 | 7  | 7 | 7 | 7  | 7 | 7 | 7  | 7 | 7 | 7  | 7 | 7 | 7  | 7 | 7 | 7  | 7 | 7 | 7  | 7 | 7 |    |  |  |
| 8                             | 8 | 8 | 8  | 8 | 8 | 8  | 8 | 8 | 8  | 8 | 8 | 8  | 8 | 8 | 8  | 8 | 8 | 8  | 8 | 8 | 8  | 8 | 8 | 8  | 8 | 8 | 8  | 8 | 8 | 8  | 8 | 8 | 8  | 8 | 8 | 8  | 8 | 8 | 8  | 8 | 8 |    |  |  |
| 9                             | 9 | 9 | 9  | 9 | 9 | 9  | 9 | 9 | 9  | 9 | 9 | 9  | 9 | 9 | 9  | 9 | 9 | 9  | 9 | 9 | 9  | 9 | 9 | 9  | 9 | 9 | 9  | 9 | 9 | 9  | 9 | 9 | 9  | 9 | 9 | 9  | 9 | 9 | 9  | 9 | 9 |    |  |  |

| General Knowledge & Problem Solving |   |   |   |   |   |    |   |   |   |   |   |    |   |   |   |   |   |    |   |   |   |   |   |    |   |   |   |   |   |
|-------------------------------------|---|---|---|---|---|----|---|---|---|---|---|----|---|---|---|---|---|----|---|---|---|---|---|----|---|---|---|---|---|
| 1                                   | A | B | C | D | E | 11 | A | B | C | D | E | 21 | A | B | C | D | E | 31 | A | B | C | D | E | 41 | A | B | C | D | E |
| 2                                   | A | B | C | D | E | 12 | A | B | C | D | E | 22 | A | B | C | D | E | 32 | A | B | C | D | E | 42 | A | B | C | D | E |
| 3                                   | A | B | C | D | E | 13 | A | B | C | D | E | 23 | A | B | C | D | E | 33 | A | B | C | D | E | 43 | A | B | C | D | E |
| 4                                   | A | B | C | D | E | 14 | A | B | C | D | E | 24 | A | B | C | D | E | 34 | A | B | C | D | E | 44 | A | B | C | D | E |
| 5                                   | A | B | C | D | E | 15 | A | B | C | D | E | 25 | A | B | C | D | E | 35 | A | B | C | D | E | 45 | A | B | C | D | E |
| 6                                   | A | B | C | D | E | 16 | A | B | C | D | E | 26 | A | B | C | D | E | 36 | A | B | C | D | E | 46 | A | B | C | D | E |
| 7                                   | A | B | C | D | E | 17 | A | B | C | D | E | 27 | A | B | C | D | E | 37 | A | B | C | D | E | 47 | A | B | C | D | E |
| 8                                   | A | B | C | D | E | 18 | A | B | C | D | E | 28 | A | B | C | D | E | 38 | A | B | C | D | E | 48 | A | B | C | D | E |
| 9                                   | A | B | C | D | E | 19 | A | B | C | D | E | 29 | A | B | C | D | E | 39 | A | B | C | D | E | 49 | A | B | C | D | E |
| 10                                  | A | B | C | D | E | 20 | A | B | C | D | E | 30 | A | B | C | D | E | 40 | A | B | C | D | E | 50 | A | B | C | D | E |

# Subcommittee

Standing subcommittee for this event

| Name                 | School / Organization         | Role           |
|----------------------|-------------------------------|----------------|
| Taylor Wilton-Cooper | Omaha Bryan                   | Chair          |
| Terri James          | UNL — Agronomy & Horticulture | Superintendent |
| Kim Todd             | UNL — Agronomy & Horticulture | Superintendent |
| Boyd Bowder          | St. Paul                      | Exec liaison   |
| Evey Choat           | McPherson County              | Member         |
| David Gibbens        | West Holt                     | Member         |
| Tony Jensen          | Freeman                       | Member         |
| Samantha Lavene      | Bertrand-Loomis (BerMis)      | Member         |

## What changed — 2022–2027 rev 1 EDITORIAL

October 10, 2026

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