

2023 Nebraska FFA Nursery and Landscape Contest

District 3, 4, & 10 Northeast Community College

Eligibility: This event is open to students in grades 9-12. The top 25% of schools in a district may qualify a team to the state CDE. Teams shall consist of four students. Schools must register a full team; however, teams with fewer than four students may participate but will not be eligible to earn all points.

Required Supplies and Equipment:

Each student (or team) is required to bring the following short list of items. A limited number may be available for use at the competition; however, these will be first-come-first-serve. Scoring adjustments will not be made for students lacking the required supplies.

- #2 pencils
- Non-graphing calculator- cellphones may not be used as calculators and are not allowed in this CDE

Event Format:

Plant, Pest, and Equipment Identification

Students take a timed test using digital images presented on a screen to the entire group to identify plants, insects, diseases, and equipment. Contestants will be provided with the identification list (Appendix 1,2,3) to choose from and identify the specimen next to the appropriate slide and will enter the corresponding number from the lists for the correct choice. This activity will consist of a total of 50 images that will be listed alphabetically using SCIENTIFIC name first, follow by COMMON name. **Note:** Plants will come from the entire list and will not be restricted to Nebraska Plants as indicated by the 3rd column.

General Knowledge and Problem Solving

Students may 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. Most 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. 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.

Scoring:

Plant, Pest, and Equipment Identification	70 specimen @ 5 points	350
General Knowledge and Problem Solving	30 questions @ 5 points	150

Total

500

Contact Person(s):

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Appendix 1: 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 platinoides</i> cv.	Norway Maple	
DT	105	<i>Acer rubrum</i> cv.	Red Maple	X
DT	106	<i>Acer saacharum</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>Brassaua actinophylla</i>	Schefflear, Octopus Tree	
BES	116	<i>Buxus microphylla</i> cv.	Littleleaf Boxwood	X
DS	117	<i>Camelia japonica</i> cv.	Common Camelia	
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	Clematis hybrid	Clematis	X
DT	122	Cornus florida cv.	Flowering Dogwood	
BES	123	Cotoneaster dammeri	Bearberry Cotoneaster	
DS	124	Cotoneaster divaricatus	Spreading Cotoneaster	X
DT	125	Crataegus phaenopyrum	Washington Hawthorn	X
GC	126	Cynodon dactylon cv.	Bermudagrass	
HA	127	Dieffenbachia maculata cv.	Spotted Dumb Cane	
HA	128	Dracaena deremensis 'Warneckii'	Striped Dracaena	
HA	129	Dracaena fragens 'Massangeana'	Corn Plant	X
HP	130	Echinaceae purpurea	Purple Coneflower	X
HA	131	Epipremnum spp.	Pothos	X
DS	132	Euonymus alatus	Winged Euonymus	X
BEV	133	Euonymus fortunei cv.	Wintercreeper	X
DT	134	Fagus sylvatica cv.	European Beech	X
GC	135	Festuca spp. And cv.	Fescue	X
HA	136	Ficus benjamina	Benjamin Fig	X
HA	137	Ficus elastica 'Decora'	Decora Rubber Plant	
DS	138	Forsythia x intermedia cv.	Border Forsythia	X
DT	139	Fraxinus americana cv.	White Ash	
HP	140	Gaillardia aristata cv.	Common Blanketflower	
DS	141	Gardenia jasminoides 'Fortuniana'	Common Gardenia	
DT	142	Ginkgo biloba	Ginkgo, Maidenhair Tree	X
DT	143	Gleditsia triacanthos inermis cv.	Thornless Honeylocust	X
BEV	144	Hedera helix cv.	English Ivy	
HP	145	Hemerocallis spp. And cv.	Day lily	X
HP	146	Hosta hybrida cv.	Plaintain lily	X

DS	147	Hydrangea quercifolia	Oakleaf Hydrangea	X
DS	148	Hydrangea macrophylla	Bigleaf Hydrangea	
BET	149	Ilex cornuta cv.	Chinese Holly	
BES	150	Ilex crenata cv.	Japanese Holly	
BES	151	Ilex x meserveae cv.	Meserve Holly	X
HA	152	Impatiens hybrid cv.	Impatiens	X
HP	153	Iris x germanica florentina cv.	Bearded Iris	X
ES	154	Juniperus chinensis cv.	Chinese Juniper	X
ES	155	Juniperus horizontalis cv.	Creeping Juniper	X
DT	156	Lagerstroemia indica cv.	Crape Myrtle	
HP	157	Leucanthemum x superbum	Shasta Daisy	
DT	158	Liquidambar styraciflua	Sweet Gum	X
DT	159	Liriodendron tulipifera	Tuliptree	X
GC	160	Liriope spp. cv.	Lilyturf	X
DV	161	Lonicera japonica 'Halliana'	Hall's Japanese Honeysuckle	
BET	162	Magnolia grandiflora cv.	Southern Magnolia	
DT	163	Magnolia x soulangiana cv.	Chinese (Saucer) Magnolia	X
BES	164	Mahonia aquifolia cv.	Oregon Grape	
DT	165	Malus spp. And cv.	Flowering Crabapple	X
BES	166	Myrica pensylvanica	Bayberry	
BES	167	Nandina domestica	Heavenly Bamboo	
HP	168	Narcissus pseudonarcissus cv.	Daffodil	X
DT	169	Nyssa sylvatica	Sour (Black) Gum	
GC	170	Pachysandra terminalis	Japanese Spurge	
HP	171	Paeonia hybrid cv.	Peony	X
V	172	Parthenocissus tricuspidata	Boston Ivy	X

HA	173	<i>Pelargonium x hortorum</i> cv.	Zonal Geranium	X
HA	174	<i>Pennisetum ruppelia</i>	Fountain Grass	X
HA	175	<i>Petunia x hybrida</i> cv.	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</i> cv.	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</i> cv.	Kentucky Bluegrass	X
BES	186	<i>Podocarpus macrophyllus</i>	Southern Yew	
DS	187	<i>Potentilla fruticosa</i> cv.	Shrubby cinquefoil	
BES	188	<i>Prunus laurocerasus</i> cv.	Cherry Laurel	
DT	189	<i>Prunus serrulata</i> 'Kwanzan'	Kwanzan Japanese Flowering Cherry	
BES	190	<i>Pyracantha coccinea</i> cv.	Firethorn	
DT	191	<i>Quercus alba</i>	White Oak	
DT	192	<i>Quercus palustris</i>	Pin Oak	
DT	193	<i>Quercus rubra</i>	Red Oak	X
BES	194	<i>Rhododendron x catawbiense</i>	Catawba Hybrid Rhododendron	X
BES	195	Rhododendron Hybrid	Exbury Hybrid Azalea	X
DS	196	<i>Rosa</i> spp.	Landscape/Shrub Rose spp.	X
HP	197	<i>Salvia nemorosa</i> cv.	Meadow Sage	X
HP	198	<i>Sedum</i> spp.	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</i> cv.	Common Lilac	X
HA	203	<i>Tagetes</i> spp. cv.	Marigold	X
DT	204	<i>Taxodium distichum</i>	Bald Cypress	X
ES	205	<i>Taxus</i> spp. And cv.	Yew	X
ES	206	<i>Thuja occidentalis</i> cv.	American Arborvitae	
DT	207	<i>Tilia cordata</i>	Littleleaf Linden	X
ET	208	<i>Tsuga canadensis</i>	Canadian Hemlock	
HP	209	<i>Tulipa</i> spp. cv.	Tulip	X
HA	210	<i>Verbena x hybrida</i> cv.	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</i> cv.	Periwinkle	X
HA	214	<i>Viola x wittrockiana</i> cv.	Pansy	X
DV	215	<i>Wisteria sinensis</i> cv.	Chinese Wisteria	X
HP	216	<i>Yucca filamentosa</i>	Adam's Needle	X

Appendix 2: Pest Identification List

KEY	#	Scientific 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	Anthracnose	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 3: Equipment Identification List

KEY	#	Name	
E	260	Anvil-and-blade pruner	
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	
E	266	Bulb planter	
E	267	Bunker rake	
E	268	burlap	
E	269	Compressed air sprayer	
E	270	Core aerifier	
E	271	Chainsaw	
E	272	Cut-off machine	
E	273	Drip emitter, irrigation	

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	
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	
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	
E	295	Irrigation ring tool	
E	296	Landscape fabric	
E	297	Leaf rake	
E	298	Loppers	
E	299	Mattock	

E	300	Measuring wheel	
E	301	Mist nozzle (mist bed)	
E	302	Mower blade balancer	
E	303	Nursery container	
E	304	Oscillating sprinkler	
E	305	Peat moss	