

**OKLAHOMA STATE NURSERY/LANDSCAPE FFA-CDE
2023-2028 PESTS, DISORDERS AND BENEFICIAL INSECT IDENTIFICATION**

Diseases

| | |
|-----------------|----------------------|
| 101 Anthracnose | 106 Cedar-Apple Rust |
| 102 Apple Scab | 107 Crown Gall |
| 103 Black Spot | 108 Fireblight |
| 104 Botrytis | 109 Powdery Mildew |
| 105 Canker | 110 Root Rot |

Insects and Related Pests

| | |
|----------------|-----------------|
| 111 Aphid | 116 Scale |
| 112 Bagworm | 117 Snail/Slug |
| 113 Borer | 118 Spider Mite |
| 114 Leafhopper | 119 Whitefly |
| 115 Leaf Miner | 120 White Grub |

Physiological Problems

| | |
|---------------------------------------|---------------------------|
| 121 Frost/Freeze Injury | 125 Pot-bound Roots |
| 122 Iron Deficiency | 126 String Trimmer Injury |
| 123 Leaf Scorch (drought/winter burn) | 127 2,4-D Injury |
| 124 Nitrogen Deficiency | |

Weeds

| | |
|------------------------|--------------|
| 128 Annual Bluegrass | 134 Henbit |
| 129 Broadleaf Plantain | 135 Nutsedge |
| 130 Buckhorn Plantain | 136 Oxalis |
| 131 Chickweed | 137 Purslane |
| 132 Crabgrass | 138 Clovers |
| 133 Dandelion | |

Beneficial Insects

| | |
|-----------------|--------------------|
| 139 Lacewing | 142 Praying Mantis |
| 140 Lady Beetle | 143 Spider |
| 141 Paper Wasp | |

**OKLAHOMA STATE NURSERY/LANDSCAPE FFA-CDE
2023-2028 EQUIPMENT AND SUPPLIES IDENTIFICATION**

| | | | | | |
|-----|---------------------------------|-----|------------------------------|-----|-------------------------------|
| 201 | Anvil-and-blade pruner | 229 | Hoe | 257 | Pruning saw |
| 202 | Ball cart (B&B truck) | 230 | Hook-and-blade pruners | 258 | Pump sprayer |
| 203 | Bark mulch | 231 | Hose-end repair fitting | 259 | Quick coupler |
| 204 | Bow saw | 232 | Hose-end sprayer | 260 | Quick coupler head adapter |
| 205 | Broadcast (cyclone) spreader | 233 | Hose-end washer | 261 | Reel mower |
| 206 | Bubbler head, irrigation | 234 | Hose repair coupling | 262 | Resin-coated fertilizer |
| 207 | Bulb planter | 235 | Impact sprinkler | 263 | Rotary mower |
| 208 | Bunker rake | 236 | Irrigation ring tool | 264 | Rototiller |
| 209 | Burlap | 237 | Landscape fabric | 265 | Round point shovel |
| 210 | Chain saw | 238 | Leaf rake | 266 | Scoop shovel |
| 211 | Compressed air sprayer | 239 | Loppers | 267 | Shade fabric |
| 212 | Core aerifier | 240 | Mattock | 268 | Sharpening stone |
| 213 | Cut-off machine | 241 | Measuring wheel | 269 | Siphon proportioner |
| 214 | Drip emitter, irrigation | 242 | Mist nozzle (mist bed) | 270 | Soaker hose |
| 215 | Dry-lock wall block | 243 | Mower blade balancer | 271 | Soil sampling tube |
| 216 | Edger (power or hand) | 244 | Nursery container | 272 | Solenoid valve |
| 217 | Edging | 245 | Oscillating sprinkler | 273 | Spade |
| 218 | Erosion netting | 246 | Peat moss | 274 | Sphagnum moss |
| 219 | Fertilizer injector | 247 | Pick axe | 275 | Square point (flat) shovel |
| 220 | Fertilizer tablet | 248 | Planting/earth/soil auger | 276 | String trimmer |
| 221 | Garden (spading) fork | 249 | Pole pruner | 277 | Thatch rake |
| 222 | Garden (bow) rake | 250 | Polyethylene pipe | 278 | Tree caliper |
| 223 | Grafting band | 251 | Pop-up irrigation head | 279 | Tree wrap |
| 224 | Grafting knife | 252 | Post-hole digger | 280 | Trowel |
| 225 | Granular fertilizer | 253 | Pot-in-pot units | 281 | Vertical mower |
| 226 | Gravity (drop) spreader | 254 | Power blower | 282 | Water breaker |
| 227 | Ground/pelleted limestone | 255 | Power hedge trimmer | 283 | Wire tree basket |
| 228 | Hedge shears | 256 | Propagation mat | | |