

Turfgrass Species Identification 2017-2021

Cool Season Grasses

1. Kentucky bluegrass *Poa pratensis*
2. Perennial ryegrass *Lolium perenne*
3. Tall fescue *Festuca arundinacea* = *Schedonorus arundinaceus* = *Lolium arundinaceum*
4. Fine fescue (*Festuca* spp.)
5. Creeping bentgrass *Agrostis stolonifera*
6. Colonial bentgrass *Agrostis capillaris*
7. Velvet bentgrass *Agrostis canina*
8. Rough bluegrass *Poa trivialis*
9. Annual bluegrass *Poa annua*
10. Annual ryegrass *Lolium multiflorum*

Warm Season Grasses

11. Japanese / Korean lawngrass *Zoysia japonica*
12. Manilla grass *Zoysia matrella*
13. Hybrid bermudagrass *Cynodon dactylon* X *C. transvaalensis*
14. Common bermudagrass *Cynodon dactylon*
15. Centipedegrass *Erechloa ophiuroides*
16. Seashore paspalum *Paspalum vaginatum*
17. Buffalograss *Bouteloua dactyloides*
18. St. Augustinegrass *Stenotaphrum secundatum*
19. Kikuyugrass *Pennisetum clandestinum*
20. Bahiagrass *Paspalum notatum*
21. Blue Grama *Bouteloua gracilis*

**OKLAHOMA STATE TURFGRASS MANAGEMENT FFA-CDE
2017-2021 PESTS, DISORDERS AND BENEFICIAL INSECT
IDENTIFICATION**

Diseases

- 101. Large Patch
- 102. Spring Dead Spot 103 Brown Patch
- 104. Fairy Ring
- 105. Bermudagrass Decline

- 111. Black Cutworm
- 112. Fall Armyworm
- 113. Chinch Bug
- 114. Mole Cricket
- 115. White Grub

121 Frost/Freeze Injury 122 Localized Dry Spot 123 Leaf Firing (drought) 124 Soil Compaction

Insects and Related Pests

- 106. Leaf Rust
- 107. Leaf Spot/Melting Out 108 Dollar Spot
- 109. Take All Patch
- 110. Pythium Blight

- 116. Hunting Billbug
- 117. Annual Bluegrass Weevil 118 Cicada Killer Wasp
- 119. Mites
- 120. Nematode

- 125. Wet Wilt
- 126. Mower Injury (scalping) 127 Thatch
- 128 Black Layer

Physiological Problems and Weeds

- 129. Broadleaf Plantain
- 130. Goosegrass
- 131. Chickweed
- 132. Crabgrass
- 133. Dandelion
- 134. Henbit
- 135. Nutsedge

- 136. Oxalis
- 137. Black Medic

- 138. Clovers
- 139. Dallisgrass
- 140. Shepherdspurse
- 141. Spurge
- 142. Carolina Geranium
- 143. Carpet Weed
- 144. Annual Bluegrass
- 145. Curly Dock
- 146. Common Lespedeza

**OKLAHOMA STATE TURFGRASS
MANAGEMENT FFA- CDE 2017-2021 EQUIPMENT
AND SUPPLIES IDENTIFICATION**

201	Aerator	236	Respirator
202	Ball Valve	237	Rotary mower
203	Bayonet Tine	238	Rotating Spray Sprinkler
204	Broadcast Spreader	239	Rotor Sprinkler
205	Bunker Rake	240	Rototiller
206	Clegg Impact Hammer	241	Sand Rake
207	Cocoa Drag Mat	242	Slit Seeder
208	Controller (Golf)	243	Sod Cutter
209	Controller (RESCOM)	244	Soil Moisture Meter
210	Crumb Rubber	245	Soil Probe
211	Cup Cutter	246	Soil Profile Probe
212	Daily Light Integral Meter (Quantum Sensor)	247	Solenoid
213	Dew Whip	248	Solid Roller
214	Drop Spreader	249	Solid Tine
215	Electric Valve	250	Spray Sprinkler
216	Fertilizer	251	Spray Nozzle
217	Flail Mower	252	Sprayer
218	Fraze Mower	253	Steel Drag Mat
219	Fungicide	254	Stimpmeter
220	Gate Valve	255	String Trimmer
221	Grooming Reel	256	Swing Joint
222	Head Checker Pressure Gauge	257	Synthetic Turf Groomer
223	Herbicide	258	Topdresser
224	Hollow Tine	259	Turbine Blower
225	Impact Sprinkler	260	Two-wire Decoder
226	Irrigation Audit Catch Can	261	Valve Box
227	Light-weight roller	262	Valve Diaphragm
228	Measuring Wheel	263	Valve-in-head Sprinkler
229	Turf Painter	264	Vertical Mower / Dethatcher
230	Irrigation Pipe Puller	265	Wiehle Roller
231	Pressure Gauge		
232	Quick Coupler Key		
233	Quick Coupler Valve		

234	Reel Mower		
235	Reflectance Meter		

**OKLAHOMA STATE TURFGRASS MANAGEMENT FFA-CDE 2017-2021 SAMPLE
TURF MATH PROBLEMS**

1. Based on a soil test you submitted in March, you have determined your lawn is low in potassium and has a soil pH of 5.4.

i. Should lime be applied to the area? Yes No

ii. Which of the following fertilizers would be best to apply?

A. 46-0-0 B. 6-2-0 C. 10-5-20

2. How much 20-4-12 is needed to apply 0.5 lb N per 1,000ft² to a 7,000 ft² area?

_ pounds

3. Your local distributor has two fertilizer products that meet your needs:

- A. 16-4-8 at \$18.00 per bag
- B. 28-4-10 at \$25.00 per bag

Assuming each bag is 50 lb., which product is least expensive per pound of nitrogen?

Fertilizer ___ Price per pound of nitrogen
S__ (to the nearest cent)