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A Check List of the Grasses of Arkansas
Dwight M. Moore, *University of Arkansas, Fayetteville*

While the grasses of Arkansas occupy a fairly large portion of the land which is not forested, the great diversity of species is not generally recognized. A few observers have given lists of the plants of Arkansas in which grasses have been included. Thomas Nuttall, who was one of the earliest naturalists to visit the state included one hundred and fourteen grass names among his collections (1837). The list of plants of the state published by Branner and Coville (1891) included the names of one hundred and thirty-four grasses. In 1926 Buchholz and Palmer added thirty-six names to the previously published lists. In 1932 Miss Gregson prepared a thesis on the Gramineae of Arkansas in which she included two hundred and thirty-five grasses which had been reported growing out of cultivation in the state. This was by far the largest and most nearly complete list of the grasses found in Arkansas prepared to that time. Copies of this thesis were deposited in the University of Arkansas library but otherwise it has not been made available to the public. In 1935 Hitchcock's Manual of the Grasses of the United States appeared, in the preparation of which all Arkansas material available was studied and identified. This brought about several changes in nomenclature and also proved the occurrence of some previously unreported grasses.

In a study of the Massard Prairie, south of Fort Smith, Miss Armstrong (1941) included as many of the grasses as possible which resulted in several new records. The results of this study were included in a thesis, copies of which are in the University of Arkansas library. Otherwise these have not yet been published. The latest additions to the known species of grass for Arkansas were published in June, 1941 by Nielson when he added five new names to previous lists, and Scully (1942) just before going to press.

When the importance of grasses in Arkansas is considered it seems highly desirable that as complete a list as possible should be made available to those interested. It is with this object in mind that the present list, including seventy-two genera and two hundred and seventy-nine species and varieties, is here presented. This list is based chiefly upon the specimens in the herbarium of the University of Arkansas which represent the collections of several persons in addition to the author, notably D. Demaree, L. S. Gregson, and E. L. Nielson. Authentic records from the literature as noted are also included. The nomenclature is based on Hitchcock's Manual.

There are, undoubtedly, errors of identification and it is quite likely that further study will reveal other species not now on record for the state. This is particularly true since there are many counties of the state in which no collections at all have been made. It is hoped that this list will stimulate further observations and collections and that a more complete knowledge of the grass resources of Arkansas may be the outcome.

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CHECK LIST OF GRASSES IN ARKANSAS

1. *Aegilops cylindrica* Host. Jointed Goatgrass.
2. *Agropyron repens* (L.) Beauv. Quackgrass.
3. *Agropyron smithii* Rydb. Bluestem.
4. *Agrostis alba* L. Redtop.
5. *Agrostis eliottiana* Schult.
6. *Agrostis hiemalis* (Walt.) B. S. P. Ticklegrass.
7. *Agrostis palustris* Huds. Creeping Bent.
8. *Agrostis perennans* (Walt.) Tuckerm. Autumn Bent.
9. *Alopecurus aequalis* Sobol. Short-awn Foxtail.
10. *Alopecurus carolinianus* Walt.
11. *Alopecurus geniculatus* L. Water Foxtail.
12. *Andropogon eliottii* Chapm. Elliott Beardgrass.
13. *Andropogon furcatus* Muhl. Bluejoint Turkeyfoot.
14. *Andropogon glomeratus* (Walt.) B. S. P. Bushy Beardgrass.
15. *Andropogon saccharoides* Swartz. Silver Beardgrass.
16. *Andropogon scoparius* Michx. Prairie Beardgrass.
17. *Andropogon ternarius* Michx.
18. *Andropogon virginicus* L. Broomsedge.
19. *Anthaenantia villosa* (Michx.) Beauv.
20. *Aristida curtissii* (A. Gray) Nash.
21. *Aristida dichotoma* Michx.
22. *Aristida intermedia* Scribn. & Ball.
23. *Aristida lanosa* Muhl.
24. *Aristida longespica* Poir.
25. *Aristida oligantha* Michx. Prairie Three-awn.
26. *Aristida purpureascens* Poir. Arrowfeather.
27. *Aristida purpurea* Nutt. Purple Three-awn.
28. *Aristida ramosissima* Engelm.
29. *Aristida stricta* Michx. Pineland Three-awn.
30. *Aristida tuberculosa* Nutt.
31. *Aristida virgata* Trin.
32. *Arrhenatherum elatius* (L.) Mert. & Koch. Tall Oatgrass.
33. *Arrhaxon hispidus* var. *cryptatherus* (Hack.) Honda.
34. *Arundinaria gigantea* (Walt.) Chapm. Southern Cane.
35. *Arundinaria tecta* (Walt.) Muhl. Small Cane.
36. *Avena sativa* L. Oats.
37. *Axonopus compressus* (Swartz) Beauv. Carpet Grass.
38. *Axonopus furcatus* (Flugge.) Hitchc.
39. *Bouteloua curtipendula* (Michx.) Torr. Side-Oats Grama.
40. *Bouteloua gracilis* (H. B. K.) Lag. Blue Grama.
41. *Bouteloua simplex* Lag. Mat Grama.
42. *Brachelytrum erectum* (Shreb.) Beauv.
43. *Briza minor* L. Little Quaking Grass.
44. *Bromus catharticus* Vahl. Rescue Grass.
45. *Bromus ciliatus* L. Fringed Brome.
46. *Bromus commutatus* Schrad. Hairy Grass.
47. *Bromus japonicus* Thunb. Japanese Chess.
48. *Bromus purgans* L. Canada Brome.
49. *Bromus secalinus* L. Chess.
50. *Bromus sterilis* L.
51. *Bromus tectorum* L. Downy Chess.
52. *Calamagrostis canadensis* (Michx.) Beauv. Bluejoint.
53. *Cenchrus pauciflorus* Benth. Field Sandbur.
54. *Cenchrus tribuloides* L. Dune Sandbur.
55. *Chloris cucullata* Bisch.
56. *Chloris gayana* Kunth. Rhodes Grass.
57. *Chloris verticillata* Nutt. Windmill Grass.
58. *Cinna arundinacea* L. Stout Woodreed.
59. *Ctenium aromaticum* (Walt.) Wood. Toothache Grass.
60. *Cynodon dactylon* (L.) Pers. Bermuda Grass.
61. *Dactylis glomerata* L. Orchard Grass.
62. *Danthonia spicata* (L.) Beauv. Poverty Oatgrass.
63. *Deschampsia flexuosa* (L.) Trin. Crinkled Hairgrass.
64. *Diarrhena americana* Beauv.
65. *Digitaria filiformis* (L.) Koel.
66. *Digitaria ischaemum* (Schreb.) Muhl. Smooth Crabgrass.
67. *Digitaria ischaemum* var. *mississippiensis* Fernald.
68. *Digitaria sanguinalis* (L.) Scop. Crabgrass.
69. *Digitaria villosa* (Walt.) Pers.
70. *Distichlis spicata* (L.) Greene. Seashore Saltgrass.
71. *Echinochloa colonum* (L.) Link. Jungle-rice.
72. *Echinochloa crusgalli* (L.) Beauv. Barnyard Grass.
73. *Echinochloa crusgalli* var. *zelayensis* (H. B. K.) Hitchc.
74. *Echinochloa walteri* (Pursh) Heller.

75. *Eleusine indica* (L.) Gaertn. Goosegrass, Crabgrass.
76. *Elymus canadensis* L. Canada Wild-Rye.
77. *Elymus canadensis* var. *brachystachys* (Scribn. & Ball) Farwell.
78. *Elymus glaucus* Buckl. Blue Wild-Rye.
79. *Elymus riparius* Wiegand.
80. *Elymus villosus* Muhl.
81. *Elymus virginicus* L. Virginia Wild-Rye.
82. *Elymus virginicus* var. *australis* (Scribn. & Ball) Hitchc.
83. *Elymus virginicus* var. *glabriflorus* (Vasey) Bush.
84. *Eragrostis arida* Hitchc.
85. *Eragrostis capillaris* (L.) Nees. Lacegrass.
86. *Eragrostis cilianensis* (All.) Link. Stinkgrass.
87. *Eragrostis frankii* C. A. Meyer.
88. *Eragrostis glomerata* (Walt.) L. H. Dewey.
89. *Eragrostis hirsuta* (Michx.) Nees.
90. *Eragrostis hypnoides* (Lam.) B. S. P.
91. *Eragrostis intermedia* Hitchc. Plains Lovegrass.
92. *Eragrostis pectinacea* (Michx.) Nees.
93. *Eragrostis pilosa* (L.) Beauv. India Lovegrass.
94. *Eragrostis poaeoides* Beauv.
95. *Eragrostis refracta* (Muhl.) Scribn.
96. *Eragrostis reptans* (Michx.) Nees.
97. *Eragrostis secundiflora* Presl.
98. *Eragrostis spectabilis* (Pursh.) Steud. Purple Lovegrass.
99. *Eragrostis trichodes* (Nutt.) Nash.
100. *Erianthus alopecurioides* (L.) Ell. Silver Plumegrass.
101. *Erianthus brevibarbis* Michx. Brown Plumegrass.
102. *Erianthus contortus* Ell. Bent-awn Plumegrass.
103. *Erianthus giganteus* (Walt.) Muhl. Sugar Cane Plumegrass.
104. *Erianthus strictus* Baldw. Narrow Plumegrass.
105. *Festuca dertonensis* (All.) Aschers & Graehn.
106. *Festuca elatior* L. Meadow Fescue.
107. *Festuca myuros* L.
108. *Festuca obtusa* Spreng. Nodding Fescue.
109. *Festuca octoflora* Walt. Six Weeks Fescue.
110. *Festuca sciurea* Nutt.
111. *Festuca shortii* Hunth.
112. *Festuca versuta* Beal.
113. *Glyceria fluitans* (L.) R. Br. Mannagrass.
114. *Glyceria septentrionalis* Hitchc. Eastern Mannagrass.
115. *Glyceria striata* (Lam.) Hitchc. Fowl Mannagrass.
116. *Gymnopogon ambiguus* (Michx.) B. S. P.
117. *Gymnopogon brevis folius* Trin.
118. *Holcus lanatus* L. Velvet Grass.
119. *Hordeum jubatum* L. Foxtail Barley.
120. *Hordeum pusillum* Nutt. Little Barley.
121. *Hordeum vulgare* L. Barley
122. *Hystrix patula* Moench. Bottlebrush.
123. *Koeleria cristata* (L.) Pers. Junegrass.
124. *Leersia lenticularis* Michx. Catchfly Grass.
125. *Leersia oryzoides* (L.) Swartz. Rice Cutgrass.
126. *Leersia virginica* Willd. Whitegrass.
127. *Leptochloa fascicularis* (Lam.) A. Gray.
128. *Leptochloa filiformis* (Lam.) Beauv. Red Spangletop.
129. *Leptochloa panicoides* (Presl) Hitchc.
130. *Leptoloma cognatum* (Schultes) Chase. Fall Witchgrass.
131. *Limnorea arkansana* (Nutt.) L. H. Dewey.
132. *Lolium multiflorum* Lam. Italian Ryegrass.
133. *Lolium perenne* L. Perennial Ryegrass.
134. *Lolium temulentum* L. Darnel.
135. *Manisuris cylindrica* (Michx.) Kuntze.
136. *Melica nutica* Walt. Two-Flower Melic.
137. *Melica nitens* (Scribn.) Nutt. Three Flower Melic.
138. *Melica porteri* Scribn. Porter Melic.
139. *Miscanthus sinensis* Anderss. Eulalia.
140. *Muhlenbergia brachyphylla* Bush.
141. *Muhlenbergia capillaris* (Lam.) Trin.
142. *Muhlenbergia glabriflora* Scribn.
143. *Muhlenbergia mexicana* (L.) Trin. Wirestem Muhly.
144. *Muhlenbergia schreberi* Gmel. Nimblewill.
145. *Muhlenbergia sobolifera* (Muhl.) Trin.
146. *Muhlenbergia sobolifera* var. *setigera* Scribn.
147. *Muhlenbergia sylvatica* Torr.
148. *Muhlenbergia tenuiflora* (Willd.) B. S. P.
149. *Oplismenus setarius* (Lam.) Roem and Schult.
150. *Oryza sativa* L. Rice.

151. *Panicum agrostoides* Spreng.
152. *Panicum albomarginatum* Nash.
153. *Panicum anceps* Michx.
154. *Panicum angustifolium* Ell.
155. *Panicum arenicoloides* Ashe.
156. *Panicum ashei* Pearson.
157. *Panicum auburne* Ashe.
158. *Panicum barbuiatum* Michx.
159. *Panicum bicknellii* Nash.
160. *Panicum boscilii* Poir.
161. *Panicum boscilii* var. *molle* (Vasey) Hitchc. & Chase.
162. *Panicum capillare* L. Witchgrass.
163. *Panicum chrysopsidifolium* Nash.
164. *Panicum clandestinum* L.
165. *Panicum commutatum* Schult.
166. *Panicum consanguineum* Kunth.
167. *Panicum depauperatum* Muhl.
168. *Panicum dichotomiflorum* Michx.
169. *Panicum dichotomum* L.
170. *Panicum flexile* (Gattinger) Scribn.
171. *Panicum Gattingeri* Nash.
172. *Panicum helleri* Nash.
173. *Panicum hians* Ell.
174. *Panicum hirticaule* Presl.
175. *Panicum huachucae* Ashe.
176. *Panicum huachucae* var. *fasciculatum* (Torr.) F. T. Hubb.
177. *Panicum jorii* Vasey.
178. *Panicum lanuginosum* Ell.
179. *Panicum latifolium* L.
180. *Panicum laxiflorum* Lam.
181. *Panicum lindheimeri* Nash.
182. *Panicum linearifolium* Scribn.
183. *Panicum lucidum* Ashe.
184. *Panicum malacophyllum* Nash.
185. *Panicum microcarpon* Muhl.
186. *Panicum miliaceum* L. Broomcorn Millet.
187. *Panicum oligosanthos* Schult.
188. *Panicum ovinum* Scribn. and Smith.
189. *Panicum pedicellatum* Vasey.
190. *Panicum perlongum* Nash.
191. *Panicum philadelphicum* Bernh.
192. *Panicum polyanthes* Schult.
193. *Panicum praecocius* Hitchc. and Chase.
194. *Panicum pseudopubesces* Nash.
195. *Panicum ravenelii* Scribn. and Merr.
196. *Panicum scoparium* Lam.
197. *Panicum scribnerianum* Nash.
198. *Panicum sphaerocarpon* Ell.
199. *Panicum spretum* Schult.
200. *Panicum stipitatum* Nash.
201. *Panicum tennesseense* Ashe.
202. *Panicum thurwii* Scribn. and Smith.
203. *Panicum verrucosum* Muhl.
204. *Panicum villosissimum* Nash.
205. *Panicum virgatum* L. Switchgrass.
206. *Panicum webberianum* Nash.
207. *Panicum wernerii* Scribn.
208. *Panicum xalapense* H. B. K.
209. *Panicum yadkinense* Ashe.
210. *Paspalum bosclianum* Flugge. Bull Paspalum.
211. *Paspalum ciliatifolium* Michx.
212. *Paspalum circulare* Nash.
213. *Paspalum dilatatum* Poir. Dallis Grass.
214. *Paspalum dissectum* L.
215. *Paspalum distichum* L. Knotgrass.
216. *Paspalum floridanum* Michx.
217. *Paspalum laeve* Michx.
218. *Paspalum longipilum* Nash.
219. *Paspalum pubescens* Muhl.
220. *Paspalum pubiflorum* var. *glabrum* Vasey.
221. *Paspalum repens* Bergius.
222. *Paspalum setaceum* Michx.
223. *Paspalum urvillei* Steud. Vasey Grass.
224. *Phalaris arundinacea* L. Reed Canary Grass.

225. *Phalaris canariensis* L. Canary Grass.
 226. *Phalaris caroliniana* Walt. Canary Grass.
 227. *Phleum pratense* L. Timothy.
 228. *Phragmites communis* Trin. Common Reedgrass.
 229. *Poa annua* L. Annual Bluegrass.
 230. *Poa arachnifera* Torr. Texas Bluegrass.
 231. *Poa autumnalis* Muhl.
 232. *Poa bulbosa* L. Bulbous Bluegrass.
 233. *Poa chapmaniana* Scribn.
 234. *Poa compressa* L. Canada Bluegrass.
 235. *Poa nemoralis* L. Wood Bluegrass.
 236. *Poa pratensis* L. Kentucky Bluegrass.
 237. *Poa sylvestris* A. Gray.
 238. *Polygomon monspeliensis* (L.) Desf.
 239. *Sacciolepis striata* (L.) Nash.
 240. *Schedonnardus paniculatus* (Nutt.) Trel. Tumblegrass.
 241. *Setaria geniculata* (Lam.) Beauv. Knotroot Bristlegrass.
 242. *Setaria lutescens* (Weigel) F. T. Hubb. Yellow Bristlegrass.
 243. *Setaria verticillata* (L.) Beauv. Bur Bristlegrass.
 244. *Setaria viridis* (L.) Beauv. Green Bristlegrass.
 245. *Sorghastrum eliottii* (Mohr.) Nash.
 246. *Sorghastrum nutans* (L.) Nash. Indian Grass.
 247. *Sorghum halepense* (L.) Pers. Johnson Grass.
 248. *Sorghum vulgare* Pers. Sorghum.
 249. *Sorghum vulgare* var. *sudanense* (Piper) Hitchc. Sudan Grass.
 250. *Spartina cynosuroides* (L.) Roth. Big Cordgrass.
 251. *Spartina pectinata* Link. Prairie Cordgrass
 252. *Sphenopholis filiformis* (Chapm.) Vasey.
 253. *Sphenopholis intermedia* (Rydb.) Rydb. Slender Wedgegrass.
 254. *Sphenopholis nitida* (Spreng.) Scribn.
 255. *Sphenopholis obtusata* (Michx.) Scribn. Prairie Wedgegrass.
 256. *Sphenopholis pallens* (Spreng.) Scribn.
 257. *Sporobolus asper* (Michx.) Kunth. Long-leaved Rushgrass.
 258. *Sporobolus asper* var. *hookeri* (Trin.) Vasey.
 259. *Sporobolus asper* var. *pilosus* (Vasey) Hitchc.
 260. *Sporobolus clandestinus* (Spreng.) Hitchc.
 261. *Sporobolus cryptandrus* (Torr.) A. Gray. Sand Dropseed.
 262. *Sporobolus heterolepis* A. Gray. Prairie Dropseed.
 263. *Sporobolus poiretii* (Roem. & Schult.) Hitchc. Smutgrass.
 264. *Sporobolus vaginiflorus* (Torr.) Wood. Sheathed Rush-grass.
 265. *Stipa avenacea* L. Blackseed Needlegrass.
 266. *Stipa viridula* Trin.
 267. *Trichachne californica* (Benth.) Chase. Cottontop.
 268. *Triodia elongata* (Buckl.) Scribn. Rough Triodia.
 269. *Triodia flava* (L.) Smyth. Purpletop.
 270. *Triodia stricta* (Nutt.) Benth.
 271. *Triplasis purpurea* (Walt.) Chapm.
 272. *Tripsacum dactyloides* (L.) L. Eastern. Gamagrass.
 273. *Triticum aestivum* L. Wheat.
 274. *Uniola latifolia* Michx. Broadleaf Uniola.
 275. *Uniola laxa* (L.) B. S. P.
 276. *Uniola sessiliflora* Poir.
 277. *Zea Mays* L. Maize. Indian Corn.
 278. *Zizania aquatica* L. Annual Wildrice.
 279. *Zizaniopsis miliacea* (Michx.) Daell and Aschers. Southern Wildrice.

Summary

Genera	76
Species	269
Varieties	13
Total different grasses	279

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