

APPENDIX B: Ant species recorded in the arid and semiarid zones of Mexico. The symbol asterisk (*) indicates exotic species, and double asterisk (**) address exotic and invasive species.

Subfamily	Genus	Species	Taxonomic Author and Year
Amblioponinae	1. <i>Prionopelta</i>	1. <i>Prionopelta modesta</i>	Forel, 1909
Ponerinae	2. <i>Hypoponera</i>	2. <i>Hypoponera opaciceps</i> *	(Mayr, 1887)
		3. <i>Hypoponera opacior</i>	(Forel, 1893)
		4. <i>Hypoponera punctatissima</i> *	(Roger, 1859)
	3. <i>Leptogenys</i>	5. <i>Leptogenys elongata</i>	(Buckley, 1866)
		6. <i>Leptogenys peninsularis</i>	Mann, 1926
	4. <i>Neoponera</i>	7. <i>Neoponera villosa</i>	(Fabricius, 1804)
	5. <i>Odontomachus</i>	8. <i>Odontomachus brunneus</i>	(Patton, 1894)
		9. <i>Odontomachus clarus</i>	Roger, 1861
		10. <i>Odontomachus laticeps</i>	Roger, 1861
	6. <i>Pachycondyla</i>	11. <i>Pachycondyla harpax</i>	(Fabricius, 1804)
Dorylinae	7. <i>Acanthostichus</i>	12. <i>Acanthostichus davisii</i>	(Smith, 1942)
	8. <i>Cheliomyrmex</i>	13. <i>Cheliomyrmex morosus</i>	(Smithm 1859)
	9. <i>Eciton</i>	14. <i>Eciton mexicanum</i>	Roger, 1863
		15. <i>Eciton vagans</i>	(Olivier, 1792)
	10. <i>Labidus</i>	16. <i>Labidus coecus</i>	(Latreille, 1802)
		17. <i>Labidus praedator</i>	(Smith, 1858)
	11. <i>Neivamyrmex</i>	18. <i>Neivamyrmex agilis</i>	Borgmeier, 1953
		19. <i>Neivamyrmex andrei</i>	(Emery, 1901)
		20. <i>Neivamyrmex asper</i>	Borgmeier, 1955
		21. <i>Neivamyrmex californicus</i>	(Mayr, 1870)
		22. <i>Neivamyrmex fuscipennis</i>	(Smith, 1942)
		23. <i>Neivamyrmex graciellae</i>	(Mann, 1926)
		24. <i>Neivamyrmex harrisii</i>	(Haldeman, 1852)
		25. <i>Neivamyrmex impudens</i>	(Mann, 1922)
		26. <i>Neivamyrmex leonardi</i>	(Wheeler, 1915)
		27. <i>Neivamyrmex melanocephalus</i>	(Emery, 1895)
		28. <i>Neivamyrmex minor</i>	(Cresson, 1872)

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Subfamily	Genus	Species	Taxonomic Author and Year
		29. <i>Neivamyrmex nigrescens</i>	(Cresson, 1872)
		30. <i>Neivamyrmex nyensis</i>	Watkins, 1977
		31. <i>Neivamyrmex opacithorax</i>	(Emery, 1894)
		32. <i>Neivamyrmex rugulosus</i>	Borgmeier, 1953
		33. <i>Neivamyrmex swainsonii</i>	(Shuckard, 1840)
		34. <i>Neivamyrmex texanus</i>	Watkins, 1972
	12. <i>Nomamyrmex</i>	35. <i>Nomamyrmex esenbeckii</i>	(Westwood, 1842)
	13. <i>Syscia</i>	36. <i>Syscia augustae</i>	(Wheeler, 1902)
Pseudomyrmecinae	14. <i>Pseudomyrmex</i>	37. <i>Pseudomyrmex apache</i>	Creighton 1953
		38. <i>Pseudomyrmex arcanus</i>	Ward & Branstetter, 2022
		39. <i>Pseudomyrmex championi</i>	Creighton, 1953
		40. <i>Pseudomyrmex ejectus</i>	(Smith, 1858)
		41. <i>Pseudomyrmex elongatus</i>	(Mayr, 1870)
		42. <i>Pseudomyrmex gracilis</i>	(Fabricius, 1804)
		43. <i>Pseudomyrmex kuenckeli</i>	(Emery, 1890)
		44. <i>Pseudomyrmex major</i>	(Forel, 1899)
		45. <i>Pseudomyrmex pallidus</i>	(Smith, 1855)
		46. <i>Pseudomyrmex seminole</i>	Ward, 1985
Dolichoderinae	15. <i>Dorymyrmex</i>	47. <i>Dorymyrmex bicolor</i>	Wheeler, 1906
		48. <i>Dorymyrmex bureni</i>	(Trager, 1988)
		49. <i>Dorymyrmex flavopectus</i>	Smith, 1944
		50. <i>Dorymyrmex flavus</i>	McCook, 1880
		51. <i>Dorymyrmex insanus</i>	(Buckley, 1866)
		52. <i>Dorymyrmex lipan</i>	Snelling, 1995
		53. <i>Dorymyrmex pyramicus</i>	(Roger, 1863)
	16. <i>Forelius</i>	54. <i>Forelius keiferi</i>	Wheeler, 1934
		55. <i>Forelius mccooki</i>	(McCook, 1880)
		56. <i>Forelius pruinus</i>	(Roger, 1863)
	17. <i>Linepithema</i>	57. <i>Linepithema dispertitum</i>	(Forel, 1885)
		58. <i>Linepithema humile</i> **	(Mayr, 1868)
	18. <i>Liometopum</i>	59. <i>Liometopum apiculatum</i>	Mayr, 1870
		60. <i>Liometopum luctuosum</i>	Wheeler, 1905
		61. <i>Liometopum occidentale</i>	Emery, 1895
	19. <i>Tapinoma</i>	62. <i>Tapinoma melanocephalum</i> *	(Fabricius, 1793)

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		63. <i>Tapinoma ramulorum</i>	Emery, 1896
		64. <i>Tapinoma sessile</i>	(Say, 1836)
Formicinae	20. <i>Anoplolepis</i>	65. <i>Anoplolepis gracilipes</i> **	(Smith, 1857)
	21. <i>Brachymyrmex</i>	66. <i>Brachymyrmex depilis</i>	Emery, 1893
		67. <i>Brachymyrmex heeri</i>	Forel, 1874
		68. <i>Brachymyrmex musculus</i>	Forel, 1899
		69. <i>Brachymyrmex obscurior</i>	Forel, 1893
	22. <i>Camponotus</i>	70. <i>Camponotus andrei</i>	Forel, 1885
		71. <i>Camponotus anthrax</i>	Wheeler, 1911
		72. <i>Camponotus atriceps</i>	(Smith, 1858)
		73. <i>Camponotus blandus</i>	(Smith, 1858)
		74. <i>Camponotus caryae</i>	(Fitch, 1855)
		75. <i>Camponotus clarithorax</i>	Creighton, 1950
		76. <i>Camponotus conspicuus</i>	(Smith, 1858)
		77. <i>Camponotus coruscus</i>	(Smith, 1862)
		78. <i>Camponotus curviscapus</i>	Emery, 1896
		79. <i>Camponotus declivus</i>	Santschi, 1922
		80. <i>Camponotus dumetorum</i>	Wheeler, 1910
		81. <i>Camponotus essigi</i>	Smith, 1923
		82. <i>Camponotus festinatus</i>	(Buckley, 1866)
		83. <i>Camponotus fragilis</i>	Pergande, 1893
		84. <i>Camponotus lespesii</i>	Forel, 1886
		85. <i>Camponotus melanoticus</i>	Emery, 1894
		86. <i>Camponotus mina</i>	Forel, 1879
		87. <i>Camponotus ocreatus</i>	Emery, 1893
		88. <i>Camponotus pellarius</i>	Wheeler, 1914
		89. <i>Camponotus picipes</i>	(Olivier, 1792)
		90. <i>Camponotus planatus</i>	Forel, 1916
		91. <i>Camponotus pudorosus</i>	Emery, 1925
		92. <i>Camponotus pullatus</i>	Mayr, 1866
		93. <i>Camponotus rubrithorax</i>	Forel, 1899
		94. <i>Camponotus sansabeanus</i>	(Buckley, 1866)
		95. <i>Camponotus sayi</i>	Emery, 1893
		96. <i>Camponotus semitestaceus</i>	Snelling, 1970

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		97. <i>Camponotus sericeiventris</i>	(Guérin-Méneville, 1838)
		98. <i>Camponotus socorroensis</i>	Wheeler, 1934
		99. <i>Camponotus vafer</i>	Wheeler, 1910
		100. <i>Camponotus vicinus</i>	Mayr, 1870
		101. <i>Camponotus yogi</i>	Wheeler, 1915
		102. <i>Camponotus zonatus</i>	Emery, 1894
	23. <i>Formica</i>	103. <i>Formica argentea</i>	Wheeler, 1912
		104. <i>Formica foreliana</i>	Wheeler, 1913
		105. <i>Formica francoeuri</i>	Bolton, 1995
		106. <i>Formica fusca</i>	Linnaeus, 1758
		107. <i>Formica gnava</i>	Buckley, 1866
		108. <i>Formica integroides</i>	Wheeler, 1913
		109. <i>Formica moki</i>	Wheeler, 1906
		110. <i>Formica perpilosa</i>	Wheeler, 1910
		111. <i>Formica pulla</i>	Francoeur, 1973
		112. <i>Formica relecta</i>	Francoeur, 1973
		113. <i>Formica subcyanea</i>	Wheeler, 1913
		114. <i>Formica subpolita</i>	Mayr, 1886
	24. <i>Lasius</i>	115. <i>Lasius californicus</i>	Wheeler, 1917
		116. <i>Lasius niger</i> *	(Linnaeus, 1758)
	25. <i>Myrmecocystus</i>	117. <i>Myrmecocystus baja</i>	Sankey-Alamilla, Hernandez-Jimenez, Lopez-Reyes & Ceccarelli, 2024
		118. <i>Myrmecocystus reightoni</i>	Snelling, 1971
		119. <i>Myrmecocystus depilis</i>	Forel, 1901
		120. <i>Myrmecocystus flaviceps</i>	Wheeler, 1912
		121. <i>Myrmecocystus intonsus</i>	Snelling, 1976
		122. <i>Myrmecocystus kennedyi</i>	Snelling, 1969
		123. <i>Myrmecocystus lugubris</i>	Wheeler, 1909
		124. <i>Myrmecocystus melanoticus</i>	Wheeler, 1914
		125. <i>Myrmecocystus melliger</i>	Forel, 1886
		126. <i>Myrmecocystus mendax</i>	Wheeler, 1908
		127. <i>Myrmecocystus mexicanus</i>	Wesmael, 1838
		128. <i>Myrmecocystus mimicus</i>	Wheeler, 1908
		129. <i>Myrmecocystus navajo</i>	Wheeler, 1908
		130. <i>Myrmecocystus nequazcatl</i>	Snelling, 1976

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		131. <i>Myrmecocystus perimeces</i>	Snelling, 1976
		132. <i>Myrmecocystus placodops</i>	Forel, 1908
		133. <i>Myrmecocystus semirufus</i>	Emery, 1893
		134. <i>Myrmecocystus testaceus</i>	Emery, 1893
		135. <i>Myrmecocystus yuma</i>	Wheeler, 1912
	26. <i>Nylanderia</i>	136. <i>Nylanderia arenivaga</i>	(Wheeler, 1905)
		137. <i>Nylanderia austroccidua</i>	(Trager, 1984)
		138. <i>Nylanderia bruesii</i>	(Wheeler, 1903)
		139. <i>Nylanderia mexicana</i>	(Forel, 1899)
		140. <i>Nylanderia terricola</i>	(Buckley, 1866)
	27. <i>Paratrechina</i>	141. <i>Paratrechina longicornis</i> *	(Latreille, 1802)
	28. <i>Prenolepis</i>	142. <i>Prenolepis imparis</i>	(Say, 1836)
Ectatomminae	29. <i>Ectatomma</i>	143. <i>Ectatomma tuberculatum</i>	(Olivier, 1792)
	30. <i>Holcoponera</i>	144. <i>Holcoponera striatula</i>	(Mayr, 1884)
Myrmicinae	31. <i>Acromyrmex</i>	145. <i>Acromyrmex versicolor</i>	(Pergande, 1893)
	32. <i>Aphaenogaster</i>	146. <i>Aphaenogaster boulderensis</i>	Smith, 1941
		147. <i>Aphaenogaster megommata</i>	Smith, 1963
		148. <i>Aphaenogaster mexicana</i>	(Pergande, 1896)
	33. <i>Apterostigma</i>	149. <i>Apterostigma pilosum</i>	Mayr, 1865
	34. <i>Atta</i>	150. <i>Atta cephalotes</i>	(Linnaeus, 1758)
		151. <i>Atta mexicana</i>	(Smith, 1858)
		152. <i>Atta texana</i>	(Buckley, 1860)
	35. <i>Cardiocondyla</i>	153. <i>Cardiocondyla emeryi</i> *	Forel, 1881
		154. <i>Cardiocondyla mauritanica</i> *	Forel, 1890
		155. <i>Cardiocondyla minutior</i> *	Forel, 1899
		156. <i>Cardiocondyla wroughtonii</i> *	(Forel, 1890)
	36. <i>Cephalotes</i>	157. <i>Cephalotes bimaculatus</i>	(Smith, 1860)
		158. <i>Cephalotes insularis</i>	(Wheeler, 1934)
	37. <i>Crematogaster</i>	159. <i>Crematogaster coarctata</i>	Mayr, 1870
		160. <i>Crematogaster dentinodis</i>	Forel, 1901
		161. <i>Crematogaster depilis</i>	Wheeler, 1919
		162. <i>Crematogaster distans</i>	Mayr, 1870
		163. <i>Crematogaster emeryana</i>	Creighton, 1950

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		164. <i>Crematogaster laeviuscula</i>	Mayr, 1870
		165. <i>Crematogaster opaca</i>	Mayr, 1870
		166. <i>Crematogaster torosa</i>	Mayr, 1870
		167. <i>Crematogaster vermiculata</i>	Emery, 1895
		168. <i>Crematogaster vetusta</i>	Ward & Blaimer, 2022
	38. <i>Cyphomyrmex</i>	169. <i>Cyphomyrmex flavidus</i>	Pergande, 1896
		170. <i>Cyphomyrmex rimosus</i>	(Spinola, 1851)
		171. <i>Cyphomyrmex wheeleri</i>	Forel, 1900
	39. <i>Megalomyrmex</i>	172. <i>Megalomyrmex drifti</i>	Kempff, 1961
		173. <i>Megalomyrmex silvestrii</i>	Wheeler, 1909
	40. <i>Monomorium</i>	174. <i>Monomorium compressum</i>	Wheeler, 1914
		175. <i>Monomorium cyaneum</i>	Wheeler, 1914
		176. <i>Monomorium ergatogyna</i>	Wheeler, 1904
		177. <i>Monomorium marjoriae</i>	DuBois, 1986
		178. <i>Monomorium minimum</i>	(Buckley, 1867)
		179. <i>Monomorium pharaonis</i> *	(Linnaeus, 1758)
		180. <i>Monomorium viridum</i>	Brown, 1943
	41. <i>Mycetomoellerius</i>	181. <i>Mycetomoellerius turrifex</i>	(Wheeler, 1903)
	42. <i>Mycetosoritis</i>	182. <i>Mycetosoritis hartmanni</i>	(Wheeler, 1907)
	43. <i>Mycocepurus</i>	183. <i>Mycocepurus smithii</i>	(Forel, 1893)
	44. <i>Nesomyrmex</i>	184. <i>Nesomyrmex wilda</i>	(Smith, 1943)
	45. <i>Novomessor</i>	185. <i>Novomessor albisetosus</i>	(Mayr, 1886)
		186. <i>Novomessor cockerelli</i>	(André, 1893)
	46. <i>Paratrachymyrmex</i>	187. <i>Paratrachymyrmex intermedius</i>	(Forel, 1909)
	47. <i>Pheidole</i>	188. <i>Pheidole barbata</i>	Wheeler, 1908
		189. <i>Pheidole calens</i>	Forel, 1901
		190. <i>Pheidole californica</i>	Mayr, 1870
		191. <i>Pheidole centeotl</i>	Wheeler, 1914
		192. <i>Pheidole cerebrosi</i>	Wheeler, 1915
		193. <i>Pheidole ceres</i>	Wheeler, 1904
		194. <i>Pheidole clementensis</i>	Gregg, 1969
		195. <i>Pheidole clydei</i>	Gregg, 1950
		196. <i>Pheidole cockerelli</i>	Wheeler, 1908
		197. <i>Pheidole confodusta</i>	Wheeler, 1909
		198. <i>Pheidole crassicornis</i>	Emery, 1895

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		199. <i>Pheidole dentata</i>	Mayr, 1886
		200. <i>Pheidole desertorum</i>	Wheeler, 1906
		201. <i>Pheidole gilvescens</i>	Creighton & Gregg, 1955
		202. <i>Pheidole granulata</i>	Pergande, 1896
		203. <i>Pheidole hyatti</i>	Emery, 1895
		204. <i>Pheidole marcidula</i>	Wheeler, 1908
		205. <i>Pheidole micula</i>	Wheeler, 1915
		206. <i>Pheidole nubicola</i>	Wilson, 2003
		207. <i>Pheidole nuculiceps</i>	Wheeler, 1908
		208. <i>Pheidole obtusospinosa</i>	Pergande, 1896
		209. <i>Pheidole pallidula</i>	(Nylander, 1849)
		210. <i>Pheidole pilifera</i>	(Roger, 1863)
		211. <i>Pheidole polymorpha</i>	Wilson, 2003
		212. <i>Pheidole porcula</i>	Wheeler, 1908
		213. <i>Pheidole portalensis</i>	Wilson, 2003
		214. <i>Pheidole psammophila</i>	Creighton & Gregg, 1955
		215. <i>Pheidole purpurea</i>	Longino 2009
		216. <i>Pheidole rhea</i>	Wheeler, 1908
		217. <i>Pheidole rugulosa</i>	Gregg, 1959
		218. <i>Pheidole sciophila</i>	Wheeler, 1908
		219. <i>Pheidole skwarrae</i>	Wheeler, 1934
		220. <i>Pheidole soritis</i>	Wheeler, 1908
		221. <i>Pheidole spadonia</i>	Wheeler, 1915
		222. <i>Pheidole tepicana</i>	Pergande, 1896
		223. <i>Pheidole tetra</i>	Creighton, 1950
		224. <i>Pheidole titanis</i>	Wheeler, 1903
		225. <i>Pheidole tolteca</i>	Forel, 1901
		226. <i>Pheidole vistana</i>	Forel, 1914
		227. <i>Pheidole xerophila</i>	Wheeler, 1908
		228. <i>Pheidole yaqui</i>	Creighton & Gregg, 1955
		229. <i>Pheidole yucatana</i>	Wilson, 2003
	48. <i>Pogonomyrmex</i>	230. <i>Pogonomyrmex apache</i>	Wheeler, 1902
		231. <i>Pogonomyrmex barbatus</i>	(Smith, 1858)
		232. <i>Pogonomyrmex bicolor</i>	Cole, 1968

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		233. <i>Pogonomyrmex californicus</i>	(Buckley, 1867)
		234. <i>Pogonomyrmex desertorum</i>	Wheeler, 1902
		235. <i>Pogonomyrmex huachucanus</i>	Wheeler, 1914
		236. <i>Pogonomyrmex imberbicus</i>	Wheeler, 1902
		237. <i>Pogonomyrmex laevinodis</i>	Snelling, 1982
		238. <i>Pogonomyrmex magnacanthus</i>	Cole, 1968
		239. <i>Pogonomyrmex maricopa</i>	Wheeler, 1914
		240. <i>Pogonomyrmex montanus</i>	MacKay, 1980
		241. <i>Pogonomyrmex occidentalis</i>	(Cresson, 1865)
		242. <i>Pogonomyrmex pima</i>	Wheeler, 1909
		243. <i>Pogonomyrmex rugosus</i>	Emery, 1895
		244. <i>Pogonomyrmex snellingi</i>	Taber, 1998
		245. <i>Pogonomyrmex subnitidus</i>	Emery, 1895
		246. <i>Pogonomyrmex tenuispinus</i>	Forel, 1914
		247. <i>Pogonomyrmex wheeler</i>	Olsen, 1934
	49. <i>Solenopsis</i>	248. <i>Solenopsis amblychila</i>	Wheeler, 1915
		249. <i>Solenopsis aurea</i>	Wheeler, 1906
		250. <i>Solenopsis geminata</i>	(Fabricius, 1804)
		251. <i>Solenopsis invicta</i> **	Buren, 1972
		252. <i>Solenopsis molesta</i>	(Say, 1836)
		253. <i>Solenopsis xyloni</i>	McCook, 1880
	50. <i>Stenamma</i>	254. <i>Stenamma californicum</i>	Snelling, 1973
		255. <i>Stenamma diecki</i>	Emery, 1895
	51. <i>Strumigenys</i>	256. <i>Strumigenys boneti</i>	Brown, 1959
	52. <i>Temnothorax</i>	257. <i>Temnothorax adustus</i>	(Mackay, 2000)
		258. <i>Temnothorax andrei</i>	(Emery, 1895)
		259. <i>Temnothorax emmae</i>	(Mackay, 2000)
		260. <i>Temnothorax mexicanus</i>	(Mackay, 2000)
		261. <i>Temnothorax nitens</i>	(Emery, 1895)
		262. <i>Temnothorax obliquicanthus</i>	(Cole, 1953)
		263. <i>Temnothorax obtusigaster</i>	Prebus, 2021
		264. <i>Temnothorax pergandei</i>	(Emery, 1895)
		265. <i>Temnothorax pilicornis</i>	Prebus, 2021
		266. <i>Temnothorax punctaticeps</i>	(Mackay, 2000)
		267. <i>Temnothorax punctithorax</i>	(Mackay, 2000)

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		268. <i>Temnothorax silvestrii</i>	(Santschi, 1911)
		269. <i>Temnothorax subditivus</i>	(Wheeler, 1903)
	53. <i>Tetramorium</i>	270. <i>Tetramorium hispidum</i>	(Wheeler, 1915)
		271. <i>Tetramorium mexicanum</i>	Bolton, 1979
		272. <i>Tetramorium notomelanum</i>	Vásquez-Bolaños, Castaño-Meneses & Guzmán-Mendoza, 2011
		273. <i>Tetramorium simillimum</i> *	(Smith, 1851)
		274. <i>Tetramorium spinosum</i>	(Pergande, 1896)
	54. <i>Trachymyrmex</i>	275. <i>Trachymyrmex arizonensis</i>	(Wheeler, 1907)
		276. <i>Trachymyrmex carinatus</i>	MacKay & MacKay, 1997
		277. <i>Trachymyrmex desertorum</i>	(Wheeler, 1911)
		278. <i>Trachymyrmex pakawa</i>	Sánchez-Peña, Chacón-Cardosa, Canales-del-Castillo & Resendez-Pérez, 2017
		279. <i>Trachymyrmex septentrionalis</i>	(McCook, 1881)
		280. <i>Trachymyrmex smithi</i>	Buren, 1944
	55. <i>Veromessor</i>	281. <i>Veromessor andrei</i>	(Mayr, 1886)
		282. <i>Veromessor julianus</i>	(Pergande, 1894)
		283. <i>Veromessor pergandei</i>	(Mayr, 1886)
		284. <i>Veromessor stoddardi</i>	(Emery, 1895)
	56. <i>Wasmannia</i>	285. <i>Wasmannia auropunctata</i> **	(Roger, 1863)
	57. <i>Xenomyrmex</i>	286. <i>Xenomyrmex stollii</i>	Forel, 1885