

Ecography

E4520

Campos, R. I., Vasconcelos, H. L., Ribeiro, S. P., Neves, F. S. and Soares, J. P. 2006. Relationship between tree size and insect assemblages associated with *Anadenanthera macrocarpa*. – *Ecography* 29: 442–450.

Appendix S1. Species and number of ant individuals sampled with pitfall traps and beating (50 samples each) in 30 individuals of *A. macrocarpa*.

Ant species	Pitfall traps	Beating
Dolichoderinae		
<i>Azteca</i> sp.1	–	2
<i>Dorymyrmex</i> sp.1	1	–
<i>Tapinoma</i> sp.1	–	1
Formicinae		
<i>Brachymyrmex</i> sp.1	–	1
<i>Camponotus (Myrmaphaenus)</i> sp.1	2	4
<i>Camponotus atriceps</i>	340	–
<i>Camponotus balzani</i>	2	1
<i>Camponotus bidens</i>	–	1
<i>Camponotus blandus</i>	3	3
<i>Camponotus canescens</i>	–	2
<i>Camponotus cingulatus</i>	1	–
<i>Camponotus crassus</i>	25	6
<i>Camponotus novogranadensis</i>	5	–
<i>Camponotus sericeiventris</i>	41	8
<i>Myrmelachista</i> sp.1	406	17
Myrmicinae		
<i>Atta sexdens</i>	1	–
<i>Cephalotes atratus</i>	486	9
<i>Cephalotes maculatus</i>	1	3
<i>Cephalotes pavonii</i>	–	1
<i>Crematogaster</i> sp.1	53	13
<i>Crematogaster</i> sp.2	–	20
<i>Crematogaster</i> sp.3	15	7
<i>Crematogaster</i> sp.4	7	2
<i>Crematogaster</i> sp.5	–	1
<i>Mesomyrmex tristani</i>	1	5
<i>Pheidole</i> sp.1	11	1
<i>Pheidole</i> sp.2	1	2
<i>Pheidole</i> sp.3	8	–
<i>Procryptocerus schmitti</i>	1	–
<i>Solenopsis (Diplorhoptrum)</i> sp.1	524	22
<i>Solenopsis (Diplorhoptrum)</i> sp.2	25	–
<i>Wasmania</i> sp.1	1	–
Ponerinae		
<i>Ectatomma tuberculatum</i>	23	3
<i>Pachycondyla inversa</i>	3	–
Pseudomyrmecinae		
<i>Pseudomyrmex elongatus</i>	1	2
<i>Pseudomyrmex gracilis</i>	2	2
<i>Pseudomyrmex (gr. pallidus)</i> sp.1	1	4
Total number	1991	143

Appendix S2. Total number of morpho-species and individuals of insect herbivores sampled with beating (50 samples) in 30 *A. macrocarpa* trees.

Guild/Order, Family or Sub-family	Morpho-species	Individuals
CHEWING		
Coleoptera		
Anobiidae	6	18
Bruchinae	2	3
Chrysomelidae	5	73
Cerambycidae	3	18
Curculionidae	20	120
Latrididae	1	31
Nitidulidae	6	27
Scolytinae	2	3
Tenebrionidae	3	51
Unidentified larvae	5	6
Hymenoptera		
Unidentified larvae	2	12
Lepidoptera		
Unidentified larvae	20	74
Phasmida		
Adults	2	5
Nymphs	1	4
SAP-SUCKING		
Hemiptera (Auchenorrhyncha)		
Cicadellidae	9	49
Fugoroideae	4	5
Membracidae	5	13
Unidentified nymphs	10	41
Hemiptera (Heteroptera)		
Miridae	9	18
Pentatomidae	2	13
Coreidae	2	2
Unidentified nymphs	6	46
Total number	125	613