

12 SUMMARY

With this investigation, an attempt has been made to:

- (a) assess the general nature and composition of Zebediela's citrus and natural soils by means of taxonomical and ecological methods.
- (b) compare routine, chemically treated citrus soils with those under strict biological control.
- (c) analyse and compare the soil fauna of an old citrus plot with that of a new citrus plot.
- (d) compare the soil fauna of the four citrus plots with that of a natural grass or pasture soil population represented by the control plot.
- (e) evaluate the different faunal entities with work and knowledge already known.
- (f) determine the citrus soil population differences and similarities with that of "above soil" citrus tree populations.
- (g) demonstrate the extraction effectivity of the funnel- and grease film methods on the mesofaunal arthropod fauna.

1 The general sampling area was described:

Zebediela, the prominent South African citrus estate, and its general surroundings and situation, nearest towns, electricity and transport linkage were described.

2 A detailed description of the five different habitats, with information on soil:

- (a) geology, types and texture.
- (b) physical and chemical properties
- (c) climate, and
- (d) cultivation practices employed,

were submitted.

A complete review of the geology of Zebediela and surroundings was given after Bester (1965). The six main parent material types of the vicinity namely: limestone, basalts, dolomites, quartzites, lavas and granite were indicated. The different types of soils in that area were mentioned and the grey and red-dish brown sandy loams at the sampling sites were analysed. The five nutritional elements, phosphorus, potassium, calcium, magnesium and sodium of the five plots were recorded stratigraphically up to 16 cm depth. Organic material content of the soils was represented in percentages. Section 3 B had the highest values which ranged from 7.6% to 10.4% in comparison with the 2.2% and 3.3% organic material content of Section 2 soils. The soil resistance results revealed relatively low recordings for the control plot, which may be attributed to the fact that no chemicals, irrigation or other cultivation practices were applied there. On the other hand exceptionally high recordings were made at plot C, which implies a high salt concentration. Nevertheless, the recorded elements (in p.p.m.) revealed a "normal" situation, in comparison with the other plots. The climate i.e. temperature, rainfall and

relative humidity figures were recorded. The rainfall was below average that year, which is normally 650.7 mm. High surface temperatures of 45⁰C at noon, were recorded in September. In connection with cultivation practices, the irrigation, pest control, weed control and nutrition has been described.

3. The methods used for sampling, extraction and identification were described.

The sampling procedure, as well as the specially developed sampler has been described. In relation to extraction, a description of the specially transformed funnel systems was given. Residual extraction was done by means of the grease film apparatus. Preliminary experiments concerning the preservation of the soil cores were also described.

4 A complete data reproduction, with details of the identification and occurrences of all the mesofaunal arthropods extracted was submitted in the tables and described in the text.

The total mesofaunal investigation revealed an Acari dominated population in the control plot (A) and the old citrus plot (B), but Collembola attained the highest numerical and biomass position in the other plots. In relation to numbers the five plots E, A, B, D and C totalled 2534, 2289, 1907, 1786 and 1119 arthropods respectively. The biomass comparison revealed a dominant position for the control plot as a result of diplopod concentrations. The control plot had the largest variety of arthropods, and in this connection, Section 3 B

also had the most families and species.

The Acari of all the plots investigated were dominated by Trombidiformes, and specifically by the family Tydeidae, but with the exception of the control plot, the Oribatei produced the highest biomass values for the mites. Oribatulidae was the dominant family of this order.

The "Other Arthropods" faunal division was dominant in both numbers and biomass in plots C, D and E. In plots A and B this group had the highest biomass values only. The collembolan species Isotomina termophila (Axelson) was the most dominant species.

5. With the aid of histograms and graphs, the seasonal fluctuations within the five plots were registered.

The seasonal totals of all five plots revealed exactly the same tendencies namely:

- 1 A decline in mesofaunal numbers from July 1965 to September 1965.
- 2 A steep increase to the highest mesofaunal recordings in January 1966.
- 3 A relatively sharp drop in numbers from January 1966 to April 1966.

Amongst all the factors taken into consideration, the abiotic ones, and especially temperature and rainfall (humidity) seemingly had the most pronounced influence on the seasonal development of the soil populations. The biotic factors most

definitely transformed the faunal composition of the citrus soil. In relation to seasonal variation, the chemical application probably also had a short term effect in the September decline of the citrus soil populations.

6 The stratigraphical occurrence of the mesofauna in the different plots was ascertained and special attention was paid to the dominant organisms.

The mesofaunal arthropods generally reveal the tendency of having the largest population concentrations in the first four centimetres of surface soil and a gradual decline in numbers towards the 16 cm level. It also happened that the highest population numbers were found in the second and third subsample layers, as for example the collembolan population concentrations which occurred in January and April 1966.

These tendencies could be ascribed to population reactions to abiotical physical factors such as temperature, moisture, aeration, food and pore space, as well as their reactions to biotical factors such as irrigation and chemical application.

7 The comparison between the citrus soil fauna with the citrus tree fauna during the sampling period revealed that both communities are separate entities with little relation to each other.

8. In connection with the influence of the citrus trees on the composition of the soil mesofauna it has been pointed out

that certain mesofaunal arthropods, especially some hemi-edaphic predatory Trombidiformes, and certain Oribatei- and "Other Arthropod"-members were reduced and even exterminated by citricultural practices, as a result of the destruction and removal of their natural abode - the soil litter layer. On the other hand, certain mite and insect species, mostly eu-edaphic in living manner were promoted by the citrus rhizosphere habitat and general citricultural practices. It was further observed that, in relation to the quantitative and qualitative mesofaunal aspects, the biological control plot constituted an intermediate position between the natural soil population, represented by the control plot, and the routine citrus plots on the other hand.

9 In relation to the problem of unsuccessful replanting of citrus trees on old citrus soil, an account of research work done in South Africa and overseas was presented. In accordance with the apparently generally accepted theory of phytotoxicity, and the role of the soil fauna as incitants, it has been mentioned that, in connection with the soil arthropoda, only the saprophagous section of the soil fauna would be of direct importance. It is, however, clear that, for the solution of this citrus problem, an intensive research project is required in which the collaboration of chemists, microbiologists, mycologists and entomologists is essential.

10 In connection with the influence of pesticides on the soil fauna, the arthropods in the soil of the control plot, the biological control plot and the routine plot were compared.

One of the long term effects of pesticide application was the reduction and extermination of various insect and Acari families. The Trombidiformes predators were markedly reduced. In this respect the biological control plot represented an intermediate position between the control plot and the routine plots. A further interesting observation was the occurrence of big population numbers of certain members of the mesofauna. Some Collembola and Acari not only proved to resist chemical extermination in the citrus plots, but strongly multiplied. The absence of predator pressure and other favourable factors such as good climatical conditions and food availability, probably promoted them.

11 The mesofauna extracted by means of the funnel - and grease film methods were compared and presented in tables. As the grease film method was used additionally to recover the residual organisms from the core, it was evident that no direct comparison could be made. However, the grease film apparatus recovered more Oribatei and Collembola than the initially used funnel apparatus. On the other hand, the funnels proved to be effective for Trombidiformes extraction. This investigation revealed the need for the use of the combined extraction method.

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FLOT No. 1109

TABLE 30 A : PLOT A

NUMBERS AND BIOMASS VALUES OF MICROARTHROPODS FOR JULY 1965

ACARI	STRATIGRAPHICAL LAYERS.	1-4 cm.				4-8 cm.				8-12 cm.				12-16 cm.			
		Numb.	% Biom.	Numb./m ²	% Biom./m ²	Numb.	% Biom.	Numb./m ²	% Biom./m ²	Numb.	% Biom.	Numb./m ²	% Biom./m ²	Numb.	% Biom.	Numb./m ²	% Biom./m ²
TRIMEDIFORMES																	
Tydeidae: Tydaeus sp.	72	14.202	.925	4256.323	66	13.019	.848	3901.629	75	14.794	.954	4433.670	79	15.583	1.015	4670.132	
Microtydeus sp.																	
Lorryia africana sp.	2	.394	.034	118.231													
Lorryia sp. nov.									2	.394	.231	118.231					
Paralorryia sp.																	
Nanorchestidae: Spelorchestus sp.	12	2.367	.206	709.387	13	2.564	.223	768.502	7	1.381	.120	413.809	4	.789	.068	236.462	
Nanorchestus sp.																	
Cunaxidae: Cunaxa sp.	1	.197	.120	59.116	1	.197	.120	59.116					1	.197	.120	59.116	
Cunaxoides sp.																	
Bdellidae: Bdella sp.	1	.197	.120	59.116	1	.197	.120	59.116	2	.394	.240	118.231	1	.197	.120	59.116	
Cyta sp.																	
Raphignathidae: Achnies aethiopia	1	.197	.154	59.116													
Stigmaeidae: Ledermulleria sp.																	
Ledermulleropsis sp.	2	.394	.274	118.231													
Neophyllobius sp. nov. A.																	
Neophyllobius sp. nov. B.																	
Pseudosyllidae: Pseudochelyus sp.	4	.789	.514	236.462	1	.197	.130	59.116					2	.394	.257	118.231	
Cheyletidae: Paracheyletia sp.																	
Erythraeidae: Saaris bicostatus									1	.197	.017	59.116					
Leptus sp.																	
Pyemotidae: Pyemphorus sp.	4	.789	.171	236.462	2	.394	.086	118.231	4	.789	.171	236.462					
Tarsonemidae: Tarsonemus sp.																	
Scutacaridae: Scutacarus sp.																	
Eupodidae: Eupodes variegatus																	
Eupodes parafusifer																	
Anystidae: Anystes baccharum	1	.197	.171	59.116	2	.394	.343	118.231					1	.197	.171	59.116	
Cryptognathidae: Cryptognathus cucurbita																	
Pachygnathidae: Binichalis sp.	3	.592	.411	177.347													
Pachygnathus sp.																	
Lordalychidae: Lordalychus sp.									1	.197	.137	59.116	1	.197	.137	59.116	
Tetranychidae: Dreispalpus obovatus																	
MESOSTIGMATA																	
Rhodacaridae: Rhodacarus sublapideus	1	.197	.017	59.116					92	18.146	1.880	5438.635	90	17.752	1.905	5350.475	
Digamasellidae: Digamasellus																	
Laelaptidae: Geolaelaps queenslandicus																	
Hyposaspis quinquelongisetus																	
Phytoseiidae: Amblyseius usitatus																	
Ascidae: Gamasellodes sp.																	
Protogamasellus primitivus similis																	
Protogamasellus dispar																	
Protogamasellus brevicornis																	
Lastoseius sp.																	
Pachylaelaptidae: Pachylaelaps sp. nov.																	
ORIBATEI																	
Oribatulidae: Scheloribates sp. A.	1	.197	.154	59.116	1	.197	.154	59.116	1	.197	.154	59.116	2	.394	.343	118.231	
Schelorbates sp. B.	1	.197	.171	59.116	1	.197	.171	59.116									
Liodidae: Liodes sp. A.	3	.592	.385	177.347	7	1.381	.900	413.809	1	.197	.129	59.116	3	.592	.385	177.347	
Liodes sp. B.																	
Plateremaeidae: Pedrocoartocella sp.	6	1.184	.771	354.694	4	.789	.514	236.462	7	1.381	.890	413.809	3	.592	.385	177.347	
Passalozetidae: Passalozetes sp.	20	3.945	.857	1182.312	11	2.170	.471	650.271	14	2.761	.660	827.718					
Euphthiracaridae: Rhyzotritia sp.																	
Cosmochothonidae: Cosmochothonius sp.																	
Oppidae: Oppia nova																	
Perlohmanniidae sp.	3	.592	.385	177.347	3	.592	.385	177.347	3	.592	.385	177.347	4	.789	.514	236.462	
Epilohmanniidae: Epilohmannia sp.																	
Carabodidae sp.																	
ACARIDAE																	
Acaridae: Tyrophagus sp.	14	5.707	2.724	2009.912	27	5.126	2.595	1296.121	26	5.128	2.157	1517.006	13	2.564	1.415	768.502	
INSECTA																	
COLLEMBOLA																	
Onychiuridae: Onychiurus camerunensis																	
Isotomidae: Isotomina termophila	2	.394	.600	118.231	1	.197	.300	59.116	2	.394	.600	118.231	1	.197	.300	59.116	
Achorutiidae: Achorutia parvula																	
Entomobryidae: Seira squamornata																	
Entomobrya sp.																	
Sminthuridae: Sphaeridia pumilis																	
DIPLURA																	
Japygidae: Japyx sp.																	
CORRODENTIA																	
Liposcellidae sp.	1	.197	.171	59.116									4	.789	.685	236.462	
HEMIPHYTA																	
Reduviidae sp.																	
Isometopidae: Isometopus bolfordi																	
HYMENOPTERA																	
Aphididae: Macrosciphus sp.																	
Cecidae sp.																	
THYSANOPTERA																	
Phlaeothripidae: Trothrips minor	2	.394	6.853	118.231	2	.394	6.853	118.231					1	.197	3.427	59.116	
Paurothrips reticulatus																	
LEPIDOPTERA																	
Noctuidae: Lapygia exempta																	
DIPTERA																	
Cecidomyiidae sp.																	
COLEOPTERA																	
Tenebrionidae sp.	2	.394	3.084	118.231	1	.197	1.542	59.116	4	.789	6.168	236.462	3	.592	5.634	177.347	
HYMENOPTERA																	
Trichogrammatidae: Trichogramma sp.																	
Formicidae: Phoinola megacephala	2	.394	10.281	118.231									2	.394	10.280	118.231	
ARACHNIDA																	
ARACHNIDA																	
Salicidae sp.	2	.394	13.707	118.231													
Ligulidae sp.																	
LEPIDOPTERA																	
SPIROSTREPTOMORPHA																	
Spirostreptidae sp.	1	.197	5.825	59.116									1	.197	5.825	59.116	
CHILOPODA																	
CHILOPODA																	
Chilopodidae sp.																	
PANTARIDIA																	
Pantariidae: Pantarus sp.																	
TARDIGRADA																	
TARDIGRADA																	
Macrobiotus sp.																	
CRUSTACEA																	
CRUSTACEA																	
Cyclopidae: Mesocyclops sp.																	
	12	2.165	40.521	709.387	5	.985	8.866	295.578	6	1.183	6.758	354.693	12	2.165	26.171	709.387	
	150	29.585	46.162	8867.340	118	23.274	13.330	6975.640	124	24.457	10.815	7130.334	115	22.681	29.491	6798.294	

	NUMBERS AND BIOMASS VALUES OF MICROARTHROPODS FOR JULY 1965		NUMBERS AND BIOMASS VALUES OF MICROARTHROPODS FOR JULY 1965		NUMBERS AND BIOMASS VALUES OF MICROARTHROPODS FOR JULY 1965		NUMBERS AND BIOMASS VALUES OF MICROARTHROPODS FOR JULY 1965	
	Numb.	Biom. (g)	Numb.	Biom. (g)	Numb.	Biom. (g)	Numb.	Biom. (g)
ACARI								
TRICMBIDIFORMES								
Tydeidae: Tydaecolus sp.	72	0.0001080	66	0.0000990	75	0.0001125	79	0.0001185
Microtyneus sp.	2	0.0000040						1.015
Lorryia africanus					2	0.0000270		.231
Lorryia sp. nov.								
Paralorryia sp.								
Nanorchestidae: Spelorchestes sp.	12	0.0000240	13	0.0000260	7	0.0000140	4	0.0000080
Nanorchestes sp.206		.223		.120		.068
Cunaxidae: Cunaxa sp.	1	0.0000140	1	0.0000140			1	0.0000140
Cunaxoides sp.120		.120				.120
Bdellidae: Bdella sp.	1	0.0000140	1	0.0000140	2	0.0000280	1	0.0000140
Cyta sp.120		.120		.240		.120
Raphignathidae: Acheles aethiopiae	1	0.0000180						
Stigmaeidae: Ledermulleria sp.154						
Ledermulleriopsis sp.	2	0.0000320						
Neophyllobius sp. nov. A.274						
Neophyllobius sp. nov. B.								
Pseudocheyleidae: Pseudocheyleus sp.	4	0.0000600	1	0.0000150			2	0.0000300
Cheyletidae: Paracheyletia sp.514		.130				.257
Drythraeidae: Smaris biscutatus					1	0.0000020		.017
Lepus sp.								
Pyemotidae: Pygmephorus sp.	4	0.0000200	2	0.0000100	4	0.0000200		.171
Tarsonemidae: Tarsonemus sp.171		.086				
Scutacaridae: Scutacarus sp.								
Eupodidae: Eupodes variegatus								
Eupodes parafusifer	1	0.0000200	2	0.0000400			1	0.0000200
Anystidae: Anystes bacorum171		.343				.171
Cryptognathidae: Cryptognathus curvipes								
Pachygnathidae: Himichealia sp.	3	0.0000480			1	0.0000160	1	0.0000160
Pachygnathus sp.411				.137		.137
Paratydeidae: Scolotydeus sp.							1	0.0000020
Lordalychidae: Lordalychus sp.017
Tetranychidae: Brevipalpus obovatus								
MESOSTIGMATA	103	0.0003620	86	0.0002180	92	0.0002195	90	0.0002225
Rhodacaridae: Rhodacarus sublapius	1	0.0000020						
Digamasellidae: Digamasellus sp.017						
Laelapidae: Geolaelaps geenslandicus								
Hyppaspis quinquelongisetus								
Phytoseiidae: Amblyseius usitatus								
Ascidae: Gamasellodes sp.								
Protogamasellus primitivus similis								
Protogamasellus dispar								
Protogamasellus brevicornis								
Lasioseius sp.								
Pachylaelaptidae: Pachylaelaps sp. nov.	1	0.0000020						
ORIBATEI								
Oribatulidae: Scheloribates sp. A.	1	0.0000180	1	0.0000180	1	0.0000180		.154
Schelorbates sp. B.	1	0.0000200	1	0.0000200			2	0.0000400
Liodidae: Liodos sp. A.	3	0.0000450	7	0.0001050	1	0.0000150	3	0.0000450
Liodos sp. B.383		.900		.129		.385
Plateremidae: Plateremius sp.								
Indrocorticella sp.	6	0.0000900	4	0.0000600	7	0.0001050		.899
Passalozetidae: Passalozetes sp.	20	0.0001000	11	0.0000550	14	0.0000700	3	0.0000150
Euphthiracaridae: Rhyzotritia sp.857		.471		.600		.130
Cosmochthonidae: Cosmochthonius sp.								
Opidae: Oppia nova	3	0.0000450	3	0.0000450	3	0.0000450	4	0.0000600
Perichmanniidae sp.386		.385		.385		.514
Epilchmanniidae: Epilchmannia sp.								
Carabodidae sp.								
ACARINIAE	34	0.0003180	27	0.0003030	26	0.0002530	13	0.0001650
Acaridae: Tyrophagus sp.		2.724		2.595		2.167		1.415
INSECTA								
COLLEMBOLA								
Onychiuridae: Onychiurus camerunensis	2	0.0000700	1	0.0000350	2	0.0000700	1	0.0000350
Isotomidae: Isotomina termophila600		.300		.600		.300
Achorutidae: Brachystomella parvula								
Entomobryidae: Seira squamoornata								
Entomobrya sp.								
Sminthuridae: Sphaeridia pumilis								
DIPLURA								
Japygidae: Japyx sp.								
CORRODENTIA								
Liposcellidae sp.	1	0.0000200	1	0.0000200			4	0.0000800
THYSANOPTERA								
Phlaeothripidae: Urothrips minor	2	0.0008000	2	0.0008000		6.853	1	0.0004000
COLEOPTERA		6.853		6.853				3.427
Tenebrionidae sp.	2	0.0003600	1	0.0001800	4	0.0007200	3	0.0006600
HYMENOPTERA		3.084		1.542		6.168		5.654
Formicidae: Pheidole megacephala	2	0.0012000		10.281			2	0.0012000
ARACHNIDA								
ARANEIDA								
Salticidae sp.	2	0.0016000		13.707				
DIPLOPODA								
SPIROSTREPTOMORPHA								
Spirostreptidae sp.	1	0.0006800		5.825			1	0.0006800
								5.825
	12	0.0047300	5	0.0010350	6	0.0007900	12	0.0030550
		40.521		8.866		6.768		26.171
	150	0.0054120	118	0.0015560	124	0.0012625	115	0.0034425
		46.362		13.330		10.815		29.491

TABLE 31 A : PLOT A

PLOT No. 1109

NUMBERS AND BIOMASS VALUES OF MICROARTHROPODS FOR SEPTEMBER 1965.

ACARI	STRATIGRAPHICAL LAYERS	1-4 cm.				4-8 cm.				8-12 cm.				12-16cm.			
		Numb.	Numb. %	Biom. %	Numb./m ²	Numb.	Numb. %	Biom. %	Numb./m ²	Numb.	Numb. %	Biom. %	Numb./m ²	Numb.	Numb. %	Biom. %	Numb./m ²
TRIMYDIFORMES																	
Tydeidae: Tydaeus sp.	13	2-497	0-72	768-502					7	1-452	0-039	413-809	22	4-564	1-122	1300-543	
Microtydeus sp.	4	830	0-30	236-462	16	3-319	1-118	945-849	6	1-244	0-044	354-694	18	3-734	1-133	1064-686	
Lorryia africana sp.	4	830	0-20	236-462				116-231	5	1-037	0-250	295-578	1		0-050	57-116	
Lorryia sp. nov.																	
Paralorryia sp.					3	622	0-150	177-347									
Nanorchestidae: Nanorchestes sp.	53	10-996	0-392	3133-126	27	5-601	0-200	1596-121	72	14-937	0-533	4256-323	37	7-676	0-274	2187-277	
Cunaxidae: Cunaxa sp.	2	415	0-104	110-231					1	208	0-052	59-116	1	208	0-052	59-116	
Cunaxoidea sp.									4	830	0-206	236-462	5	1-037	0-259	295-578	
Buellidae: Buella sp.	3	622	0-155	177-347													
Cyta sp.																	
Raphignathidae: Achaetes aethiopica					1	208	0-059	59-116	1	208	0-067	59-116	1	208	0-067	59-116	
Cigmeidae: Lederulleria sp.					1	208	0-059	59-116	3	622	0-177	177-347					
Lederulleropsis sp.	3	622	0-177	177-347													
Neophylloicus sp. nov. A.																	
Neophylloicus sp. nov. B.																	
Pseudocheyleidae: Pseudocheyleus sp.									1	208	0-056	59-116					
Cheyletidae: Farachyletia sp.	3	622	0-022	177-347					1	208	0-007	59-116	1	208	0-007	59-116	
Erythraeidae: Onaris biscutatus	2	415	0-296	118-231	3	622	0-445	177-347									
Leptus sp.																	
Pyemotidae: Pyemphorus sp.																	
Tarsonemidae: Tarsonemus sp.																	
Scutacaridae: Scutacarus sp.																	
Eupodidae: Eupodes variegatus									1	208	0-052	59-116					
Eupodes parafufifer																	
Anystidae: Anystes baccharum																	
Cryptognathidae: Cryptognathus cucurbita	2	415	0-111	118-231													
Pachygnathidae: Binichealia sp.																	
Pachygnathus sp.																	
Lordalychidae: Lordalychus sp.									1	208	0-007	59-116					
Tetranychidae: Brevipalpus obovatus																	
MESOSTIGMATA																	
Rhodacaridae: Rhodacarus sublapideus	87	18-050	1-596	5141-055	58	12-032	1-270	3428-705	164	21-578	1-546	5148-022	86	17-845	0-954	5083-941	
Digamasellidae: Digamasellus sp.	7	1-452	0-052	413-809					1	208	0-007	59-116					
Laelaptidae: Geolaelaps geelandicus					1	208	0-056	59-116									
Hypospispis quinquelongisetus	2	415	0-148	118-231	1	208	0-074	59-116									
Phytoseiidae: Amblyseius uitatus																	
Ascidae: Gamasillodes sp.																	
Protogamasellus primitivus similis																	
Protogamasellus dispar																	
Protogamasellus brevicornis																	
Lasioseius sp.																	
Pachylaelaptidae: Pachylaelaps sp. nov.																	
ORIBATEI																	
Oribatulidae: Scheloribates sp. A.	9	1-867	0-200	532-040	2	415	0-140	118-231	1	208	0-007	59-116					
Schelorbates sp. B.	5	1-037	0-333	295-578	17	3-527	1-132	1004-965	5	1-037	0-333	295-578	3	622	0-200	177-347	
Liodidae: Liodes sp. A.	1	207	0-055	59-116	4	830	0-296	236-462	1	208	0-074	59-116	2	415	0-148	118-231	
Liodes sp. B.																	
Plateremaeidae: Plateremaeus sp.	5	1-037	0-925	295-578					3	622	0-555	177-347	4	830	0-222	236-462	
Pedrocorticella sp.	3	622	0-166	177-347	1	208	0-056	59-116	1	208	0-056	59-116	6	1-244	1-109	354-694	
Passalozetidae: Passalozetes sp.																	
Euphthiracaridae: Rhyzotritia sp.					1	208	0-018	59-116									
Cosmochthoniidae: Cosmochthonius sp.																	
Oppiidae: Oppia nova																	
Perlohmanniidae sp.																	
Perlohmanniidae: Epilohmannia sp.																	
Carabodidae sp.																	
ACARIDAE																	
Acaridae: Tyrophagus sp.	14	2-904	1-479	827-619	23	4-773	1-502	1359-659	10	2-075	1-016	591-167	21	4-356	2-126	1241-428	
INSECTA																	
COLLEMBOLA																	
Onychiuridae: Onychiurus camerunensis	3	622	0-222	177-347					2	415	0-259	118-231	3	622	0-388	177-347	
Isoetomidae: Isoetomina terraopila	5	1-037	0-547	295-578													
Achorutiidae: Brachystomella parvula																	
Entomobryidae: Seira squamoornata																	
Entomobrya sp.																	
Sminthuridae: Sphaeridia pumilis																	
DIPLOURA																	
Japygidae: Japyx sp.																	
CORRODENTIA																	
Liposcellidae sp.	5	1-037	0-369	295-578	2	415	0-148	118-231					2	415	0-148	118-231	
HEMIPTERA																	
Rehniidae sp.																	
Isometopidae: Letaba bedfordi																	
MEMBRANA																	
Aphididae: Macrolophus sp.																	
Coccidae sp.																	
THYSANOPTERA																	
Phlaeothripidae: Phlaeothrips minor																	
Faureothrips reticulatus	1	208	1-479	59-116													
LEPIDOPTERA																	
Noctuidae: Lappygma exempta																	
DIPTERA																	
Cecidomyiidae sp.	1	208	0-925	59-116													
COLEOPTERA																	
Tenebrionidae sp.	5	1-037	3-428	295-578	2	416	1-332	116-231					1	208	0-666	59-116	
HYMENOPTERA																	
Trichogrammatidae: Trichogramma sp.																	
Trichogramma sp.																	
ARACHNIDA																	
SALTICIDA																	
Salticidae sp.																	
ERESIDA																	
Eresidae sp.																	
EUCYPRIDAE																	
Eucypridae sp.																	
DIPLOPODA																	
SIROSTRIPDOMORPHA																	
Spirostreptidae sp.	7	1-452	17-605	413-809	9	1-867	22-635	532-040	9	1-867	22-635	532-040	6	1-244	15-190	354-694	
CHILOPODA																	
Glyptididae: Glyptidus sp.																	
Glyptididae sp.																	
PROTOPODA																	
Fauropidae: Fauropus sp.																	
TARDIGRADA																	
Eutardigrada: Macrotrichidae sp.					1	208	0-007	59-116					2	415	0-015	118-231	
CRUSTACEA																	
CIRRIPODA																	
Cycolopidae: Mesocyclops sp.																	
SUMMARY																	
	26	5-393	21-652	1537-008	15	3-114	25-074	886-734	11	2-282	22-894</						

PLOT No. 1109

NUMBERS AND BIOMASS VALUES OF MICROARTHROPODS FOR SEPTEMBER 1965

ACARI	STRATIGRAPHICAL LAYERS	1-4 cm.		4-8 cm.		8-12 cm.		12-16 cm.					
		Numb.	Biom. (g)	Numb.	Biom. (g)	Numb.	Biom. (g)	Numb.	Biom. (g)				
TROMBIDIFORMES													
Tydeidae: Tydaeus sp.													
		13	0.0000195	-072		7	0.0000105	-039	22	0.0000330	-122		
Microtydeus sp.													
		4	0.0000080	-030	16	0.0000320	-118	6	0.0000120	-044	18	0.0000360	-133
Lorryia africana sp.													
		4	0.0000450	-200	2	0.0000270	-100	5	0.0000675	-250	1	0.0000135	-050
Lorryia sp. nov.													
Paralorryia sp.													
					3	0.0000405	-150						
Nanorchestidae: Spileorchestes sp.													
		53	0.0001060	-392	27	0.0000540	-200	72	0.0001440	-533	37	0.0000740	-274
Nanorchestes sp.													
Cunaxidae: Cunaxa sp.													
		2	0.0000280	-104				1	0.0000140	-052	1	0.0000140	-052
Cunaxoides sp.													
Dellidae: Adella sp.													
		3	0.0000420	-155				4	0.0000560	-206	5	0.0000700	-259
Cyta sp.													
Raphignathidae: Acheles aethiopia													
					2	0.0000160	-059	1	0.0000180	-067	1	0.0000180	-067
Stigmaeidae: Ledermulleria sp.													
		3	0.0000480	-177	1	0.0000160	-059	3	0.0000480	-177			
Ledermulleria sp.													
Necphyllobius sp. nov. A.													
Necphyllobius sp. nov. B.													
Pseudocheyleidae: Pseudocheyleus sp.													
						1	0.0000150	-056					
Cheyletidae: Paracheyletia sp.													
					3	0.0000060	-022	1	0.0000020	-007	1	0.0000020	-007
Erythraeidae: Smarix biscutatus													
		2	0.0000800	-296	3	0.0001200	-444						
Leptus sp.													
Pyemotidae: Pygmephorus sp.													
Tarsonemidae: Tarsonemus sp.													
Scutacaridae: Scutacarus sp.													
Eupodidae: Eupodes variegatus													
						1	0.0000140	-052					
Eupodes parafusifer													
Anystidae: Anystes baccharum													
Cryptognathidae: Cryptognathus cucurbita													
		2	0.0000300	-111				1	0.0000150	-056			
Pachygnathidae: Bimichealia sp.													
					2	0.0000320	-118						
Pachygnathus sp.													
		1	0.0000150	-059									
Paratydeidae: Scolotydeus sp.													
Lordalychidae: Lordalychus sp.													
								1	0.0000020	-007			
Tetranychidae: Brevipalpus obovatus													
MESOSTIGMATA													
		87	0.0004315	1.596	58	0.0003435	1.270	104	0.0004180	1.546	86	0.0002605	-964
Rhodacaridae: Rhodacarus sublapideus													
		7	0.0000140	052				1	0.0000020	-007			
Digamasellidae: Digamasellus sp.													
Laelaptidae: Geolaelaps geenslandicus													
					1	0.0000180	-066						
Hypaspis quinquelongisetus													
		2	0.0000400	148	1	0.0000200	-074						
Phytoseiidae: Amblyseius usitatus													
Ascidae: Gamasellodes sp.													
Protogamasellus primitivus similis													
Protogamasellus dispar													
Protogamasellus brevicornis													
Lasioseius sp.													
Pachylaelaptidae: Pachylaelaps sp. nov.													
ORIBATEI													
		9	0.0000540	-200	2	0.0000380	-140	1	0.0000020	-007			
Oribatulidae: Scheloribates sp. A.													
		5	0.0000900	-333	17	0.0003060	1.132	5	0.0000900	-333	3	0.0000540	-200
Scheloribates sp. B.													
					4	0.0000800	-296	1	0.0000200	-074	2	0.0000400	-148
Liodidae: Liodes sp. A.													
		1	0.0000150	-055									
Liodes sp. B.													
Plateremaeidae: Plateremaeus sp.													
		5	0.0002500	-925				3	0.0001500	-555	6	0.0000600	-222
Pedrocorticella sp.													
		3	0.0000450	-166	1	0.0000150	-056	1	0.0000150	-056	5	0.0000750	-277
Passalozetidae: Passalozetes sp.													
Euphthracaridae: Rhyzotritia sp.													
Cosmochthoniidae: Cosmochthonius sp.													
					1	0.0000050	-018				1	0.0001000	-370
Oppiidae: Oppia nova													
Perlohmanniidae sp.													
Epilohmanniidae: Epilohmannia sp.													
Carabodidae sp.													
		14	0.0004000	1.479	23	0.0004060	1.502	10	0.0002750	1.018	21	0.0006290	2.326
ACARIIDAE													
Acaridae: Tyrophagus sp.													
		1	0.0000140	-052									
INSECTA													
COLLEMBOLA													
Onychiuridae: Onychiurus camerunensis													
		3	0.0000600	-222									
Isotomidae: Isotomina termophila													
		5	0.0001750	-647				2	0.0000700	-259	3	0.0001050	-388
Achorutidae: Brachystomella parvula													
Entomobryidae: Seira squamornata													
Entomobrya sp.													
Sminthuridae: Sphaeridia pumilis													
DIPLURA													
Japygidae: Japyx sp.													
CORRODENTIA													
Liposcillidae sp.													
		5	0.0001000	-369	2	0.0000400	-148				2	0.0000400	-148
THYSANOPTERA													
Phlaeothripidae: Faureothrips reticulatus													
		1	0.0004000	1.479									
DIPTERA													
Cecidomyiidae sp.													
					1	0.0002500	-925						
COLEOPTERA													
Tenebrionidae sp.													
		5	0.0009000	3.328	2	0.0003600	1.332				1	0.0001800	-666
DIPLOPODA													
SPIROSTREPTOMORPHA													
Spirostreptidae sp.													
		7	0.0047600	17.605	9	0.0061200	22.635	9	0.0061200	22.635	6	0.0040800	15.090
TARDIGRADA													
EUTARDIGRADA													
Macrobiotidae sp.													
					1	0.0000020	-007				2	0.0000040	-015
		26	0.0063950	23.652	15	0.0067720	25.047	11	0.0061900	22.894	14	0.0044090	16.307
		137	0.0072945	26.979	98	0.0075595	27.959	126	0.0068850	26.165	121	0.0052085	19.507

TABLE 32 A : PLOT A

PLOT No. 1109

NUMBERS AND BIOMASS VALUES OF MICROARTHROPODS FOR JANUARY 1966.

ACARI STRATIGRAPHICAL LAYERS	1-4 cm		4-8 cm		8-12cm		12-16cm	
	Numb.	Biom.	Numb.	Biom.	Numb.	Biom.	Numb.	Biom.
TRIMRIDIFORMES								
Tydeidae: Tydaeus sp.	41	4.032	-094	2423.739	15	1.475	-034	886.735
Microtydeus sp.	62	6.097	-189	3655.167	22	2.163	-067	1300.543
Lorryia africana sp.	8	.787	-165	472.924	3	.295	-062	177.347
Lorryia sp. nov.								
Paralorryia sp.								
Nanorchestidae: Speleorchestes sp.	165	16.225	-504	9754.074	78	7.670	-238	4611.016
Nanorchestes sp.								
Cunaxidae: Cunaxa sp.	59	5.802	1.241	3487.820	16	1.573	-342	945.849
Cunaxoides sp.								
Bdellidae: Bdella sp.	14	1.376	-299	827.618	12	1.180	-256	709.387
Cyta sp.	1	.098	-021	59.116				
Raphignathidae: Achyles aethiopiae	19	1.868	-522	1123.196	7	.688	-192	413.809
Stigmaeidae: Ledermulleria sp.	1	.098	-024	59.116				
Ledermulleropsis sp.								
Neophyllobius sp. nov. A.	1	.098	-030	59.116				
Neophyllobius sp. nov. B.								
Pseudocnebulidae: Pseudocnebulus sp.	1	.098	-023	59.116				
Cheyletidae: Paracheyletia sp.								
Erythreidae: Mearia biscutatus	9	.885	-549	532.040	11	1.082	-672	650.271
Pyemotidae: Pygmephorus sp.	1	.098	-008	59.116				
Tarsonemidae: Tarsonemus sp.								
Scutacaridae: Scutacarus sp.								
Eupodidae: Eupodes variegatus								
Eupodes parafusifer								
Anystidae: Anystes baccharis					1	.098	-031	59.116
Cryptognathidae: Cryptognathus cucurbita								
Pachygnathidae: Bimichealia sp.								
Pachygnathus sp.								
Paratydeidae: Scolytydeus sp.					1	.098	-025	59.116
Tetranychidae: Brevipalpus obovatus								
MEIOSITIGMATA	382	37.562	1.689	22582.158	165	16.224	1.894	9754.074
Rhodacaridae: Rhodacarus sulplapideus								
Digamaseiidae: Digamaseius sp.								
Iaelaptidae: Geolaelaps geenslandicus								
Hyposeius quinquelongisetus								
Phytoseiidae: Amblyseius usitatus								
Ascidae: Gamasellodes sp.								
Protogamasellus primitivus similis								
Protogamasellus dispar								
Protogamasellus brevicornis								
Lasioseius sp.								
Pachylaelaptidae: Pachylaelaps sp. nov.								
ORIBATEI								
Oribatulidae: Scheloribates sp. A.	1	.098	-027	59.116	1	.098	-027	59.116
Schelorbates sp. B.								
Liodidae: Liodes sp. A.								
Liodes sp. B.								
Plateremidae: Plateremaeus sp.	7	.688	-534	413.809	6	.590	-458	354.694
Pedrocorticella sp.								
Passalozetidae: Passalozetes sp.	1	.098	-008	59.116	2	.197	-016	118.231
Euphthiracaridae: Rhyssotritia sp.								
Cosmochthoniidae: Cosmochthonius sp.	2	.197	-016	118.231	4	.393	-031	236.462
Oppiidae: Oppia nova								
Perilohmanniidae sp.	3	.295	-065	177.347	4	.393	-091	236.462
Epilohmanniidae: Epilohmannia sp.								
Carabodidae sp.								
ACARIDIAE	15	1.474	-676	886.735	17	1.671	-623	1004.965
Acaridae: Tyrophagus sp.								
INSECTA								
COLLEMBOLA								
Oncychiuridae: Oncychiurus camerunensis								
Iscotomidae: Iscotomina terraphila								
Achorutidae: Brachystomella parvula	4	.393	-214	236.462	2	.197	-061	118.231
Entomobryidae: Seira squamicornata								
Entomobrya sp.	4	.393	-098	236.462	3	.295	-073	177.347
Sminthuridae: Sphaeridia pumilis								
DIPTERA								
Japygidae: Japyx sp.	3	.295	-458	177.347	2	.197	-305	118.231
CORRODENTIA								
Liposcelidae sp.	36	3.540	1.099	2128.161	9	.885	-275	532.040
HEMIPTERA								
Reduviidae sp.								
Campopidae: Lataba bedfordi								
HEMICOPTERA								
Aphididae: Macrosiphum sp.								
Coccidae sp.								
THYSANOPTERA								
Phlaeothripidae: Urothrips minor	11	1.082	6.716	650.271				
Faureothrips reticulatus								
LEPIDOPTERA								
Noctuidae: Lepyga exempta								
DIPTERA								
Cecidomyiidae sp.	3	.295	1.068	177.347				
COLLEPTERA								
Tenebrionidae sp.	2	.197	-549	118.231				
HYMENOPTERA								
Trichogrammatidae: Trichogramma sp.	1	.098	-382	59.116				
Formicidae: Pheidole megacephala								
ARACHNIDA								
Salticidae sp.								
Eresidae sp.								
Linyphiidae sp.								
DIPLOPODA								
SPIROSTREPTOMORPHA								
Spirostreptidae sp.	11	1.082	11.417	650.271	4	.393	4.152	236.462
CHILLOPODA								
Geophilomorpha								
Geophilidae sp.	1	.098	2.976	59.116	1	.098	2.976	59.116
PATROPODA								
Fauropidae: Fauropus sp.								
TARDIGRADA								
EUTARDIGRADA								
Macrobiotidae sp.								
CRUSTACEA								
CYPRIDIA								
Cyclopidae: Mesocyclops sp.								
	71	6.982	21.787	4197.206	23	2.261	7.995	1359.558
	43	4.228	23.169	2543.970	50	4.917	37.570	2955.780
	458	46.018	26.152	27656.099	206	20.254	10.553	12177.612
	226	22.222	25.143	13360.125	117	11.503	38.173	6916.527

TABLE 33 A : PLOT A

FLOT No. 1109

NUMBERS AND BIOMASS VALUES OF MICROARTHROPODS FOR APRIL 1966.

	1-4 cm.		4-8 cm.		8-12 cm.		[12-16cm]	
	Numb.	Biom. %	Numb.	Biom. %	Numb.	Biom. %	Numb.	Biom. %
ACARI								
TRIMENIDIFORMES								
Tydeidae: Tydaeus sp.	12	4.240	.066	709.387	5	1.767	.027	295.578
Microtydeus sp.	6	2.120	.044	354.694				
Lorryia africana sp.	5	1.767	.247	295.578	2	.707	.099	118.231
Lorryia sp. nov.								
Paralorryia sp.	3	1.060	.148	177.347				
Nanorchestidae: Speleorchestea sp.	9	3.180	.066	532.040	14	4.947	.102	827.618
Nanorchestea sp.								
Cunaxidae: Cunaxa sp.	3	1.060	.153	177.347				
Cunaxoides sp.					1	.353	.051	59.116
Bdellidae: Bdella sp.	18	6.361	.921	1064.080				
Cyta sp.								
Raphignathidae: Achelea aethiopia	3	1.060	.197	177.347				
Stigmaeidae: Ledermulleropsis sp.								
Neophyllobius sp. nov.								
Pseudoconeylidae: Pseudocheyulus sp.	1	.353	.073	59.116				
Cheyletidae: Parachyletia sp.	2	.707	.109	118.231				
Erythraeidae: Searis biscutatus	13	4.594	1.900	748.502	1	.353	.055	59.116
Leptus sp.	3	1.060	.438	177.347				
Pyemotidae: Pygmephorus sp.					2	.707	.037	118.231
Tarsonemidae: Tarsonemus sp.	10	3.534	.073	591.156				
Scutacaridae: Scutacarus sp.					4	1.413	.029	236.462
Eupodidae: Eupodes variegatus								
Eupodes parafuifer					1	.353	.007	59.116
Anystidae: Anystes baccharum								
Cryptognathidae: Cryptognathus cucurbita								
Pachygnathidae: Bimichaelia sp.					1	.353	.058	59.116
Pachygnathus sp.								
Tetranychidae: Scolonyx sp.								
Tetranychidae: Brevipalpus novatus								
MEOSOSTIGMATA								
Rhodacaridae: Rhodacarus sublapideus	28	9.894	.352	1655.236	21	7.420	.325	1241.427
Digamasellidae: Digamasellus sp.					1	.353	.007	59.116
Laelaptidae: Gaeulaps neolandicus	1	.353	.073	59.116				
Hypoaspis quinquelongisetus	1	.353	.073	59.116				
Phytoseiidae: Amblyseius usitatus	1	.353	.073	59.116				
Ascidae: Gamasellodes sp.	1	.353	.066	59.116				
Protogamasellus pritzivici similis	1	.353	.007	59.116				
Protogamasellus dispar	2	.707	.015	118.231				
Protogamasellus brevicornis					1	.353	.007	59.116
Lastoseius sp.								
Pachylaelaptidae: Pachylaelaps sp. nov.								
ORIBATEI								
Scheloribates sp. A	5	1.767	.292	295.578	4	1.414	.154	235.463
Scheloribates sp. B	2	.707	.132	118.231	2	.707	.132	118.231
Liodidae: Liodes sp. A	1	.353	.073	59.116	1	.353	.073	59.116
Liodes sp. B	1	.353	.055	59.116				
Plateremaeidae: Plateremaeus sp.	7	2.475	1.279	413.809	4	1.413	.731	235.462
Paesalozetidae: Paesalozetes sp.								
Euphthiracaridae: Rhyotritia sp.	1	.353	.365	59.116	1	.353	.018	59.116
Cosmochthonidae: Cosmochthonus sp.								
Oppidae: Oppia nova					1	.353	.365	59.116
Perilohmanniidae sp.								
Epilohmanniidae: Epilohmannia sp.	1	.353	.011	59.116	1	.353	.011	59.116
Larvae unknown	1	.353	.011	59.116	2	.707	.022	118.231
ACARIDIAE								
Acaridae: Tyrophagus sp.	12	4.241	1.850	709.388	10	3.534	1.019	591.156
	1	.353	.007	59.116	4	1.413	.453	235.462
					6	2.120	.352	354.694
INSECTA								
COLEMBOLA								
Onychiuridae: Onychiurus camerunensis	1	.353	.073	59.116	1	.353	.073	59.116
Isotonidae: Isotomina termophila								
Achorutidae: Brachystomella parvula	1	.353	.058	59.116				
Entomobryidae: Seira squamicornata								
Entomobrya sp.								
Sminthuridae: Sphaeridia pumilis	6	2.120	.088	354.694				
DIPLURA								
Japygidae: Japyx sp.	2	.707	.731	118.231	1	.353	.365	59.116
CORRODENTIA								
Liposcellidae sp.	3	1.060	.219	177.346	1	.353	.073	59.116
HEMIPHYSA								
Reduviidae sp.	2	.707	2.923	118.231				
Leptocryptidae: Letaba bidfordi								
HOMOPTERA								
Aphididae: Macrosiphum sp.	3	1.060	.164	177.346	1	.353	.055	59.116
Coccidae sp.								
THYSANOPTERA								
Phlaeothripidae: Prothrips minor	2	.707	2.923	118.231				
Phlaeothrips reticulatus					1	.353	1.463	59.116
LEPIDOPTERA								
Noctuidae: Lopyga exempta								
HETERA								
Coccidomyiidae sp.								
COLEOPTERA								
Tenebrionidae sp.	11	3.878	7.673	650.271				
HYMENOPTERA								
Trichogrammatidae: Trichogramma sp.	1	.353	2.192	59.116	3	1.060	6.577	177.346
Formicidae: Phaidole megaccephala								
ARACHNIDA								
Salticidae sp.	2	.707	5.846	118.231				
Eresidae sp.								
Linyphiidae sp.								
DIPLOPODA								
SPIROSTREPTOMORPHA								
Spirostreptidae sp.	10	3.534	24.846	591.156	10	3.534	24.846	591.156
CHILOPODA								
GEOPHILUMORPHA								
Geophilidae sp.								
SCORPIONIDA								
Scorpididae: Scoropus sp.					1	.353	.066	59.116
TARSIPODA								
TARSIPODA								
Macroptilidae sp.								
CRUSTACEA								
Cyclopididae: Naucocyclus sp.								
TOTAL	44	15.547	47.716	2501.085	18	6.359	32.055	1064.080
Subtotal	150	53.005	54.311	8867.339	61	21.554	33.531	1806.051
Subtotal	42	14.840	8.159	2482.855	30	10.600	1.878	1773.468

TABLE 33 B

PLOT No. 1109

NUMBERS AND BIOMASS VALUES OF MICROARTHROPODS FOR APRIL 1965

ACARI	STRATIGRAPHICAL LAYERS	1-4 cm.		4-8 cm.		8-12 cm.		12-16 cm.					
		Numb.	Biom. (g)	Numb.	Biom. (g)	Numb.	Biom. (g)	Numb.	Biom. (g)				
TROMBIDIFORMES													
Tydeidae:	Tydeolus sp.	12	0.0000180	.066	5	0.0000075	.027	2	0.0000030	.011	2	0.0000030	.011
	Microtydeus sp.	6	0.0000120	.044									
	Lorryia africana	5	0.0000675	.247	2	0.0000270	.099	2	0.0000270	.099	1	0.0000135	.049
	Lorryia sp. nov.												
	Paralorryia sp.	3	0.0000405	.148									
Nanorchestidae:	Spelorchestes sp.	9	0.0000180	.066	14	0.0000280	.102	14	0.0000280	.102	6	0.0000120	.044
	Spelorchestes sp.												
Cunaxidae:	Cunaxa sp.	3	0.0000420	.153				1	0.0000140	.051	1	0.0000140	.051
	Cunaxoides sp.												
Bdellidae:	Bdella sp.	18	0.0000520	.192							1	0.0000140	.051
	Cyta sp.												
Raphignathidae:	Acheles aethiops	3	0.0000540	.197									
Stigmaeidae:	Leidermulleria sp.												
	Leidermulleriopsis sp.												
	Neoryllobius sp. nov. A.												
	Neoryllobius sp. nov. B.	1	0.0000200	.073									
Pseudochaytiidae:	Pseudochaytius sp.	2	0.0000300	.109				1	0.0000150	.055			
Cheyletidae:	Parachyletia sp.												
Erythraeidae:	Smarius biscutatus	13	0.0005200	1.900							1	0.0000400	.146
	Leptus sp.	3	0.0001200	.438									
Eyemotidae:	Pygrophorus sp.				2	0.0000100	.037				1	0.0000020	.007
Tarsorenidae:	Tarsorenus sp.	10	0.0000200	.073				1	0.0000020	.007			
Scutacaridae:	Scutacarus sp.				4	0.0000080	.029				1	0.0000140	.051
Eupodidae:	Eupodes variegatus												
	Eupodes parafusifer												
Anystidae:	Anystes baccharum												
Tryptognathidae:	Cryptognathus cucurbita				1	0.0000160	.058						
Pachygnathidae:	Bimichealia sp.												
	Pachygnathus sp.												
Paratydeidae:	Scolotydeus sp.												
Lordalychidae:	Lordalychus sp.												
Tetranychidae:	Frevipalpus obovatus												
MESOTIGMATA													
		88	0.0012140	4.435	28	0.0000965	.352	21	0.0000890	.325	14	0.0001125	.410
Rhodacaridae:	Rhodacarus sutlapius							1	0.0000020	.007			
Digamasellidae:	Digamasellus sp.												
Laelaptidae:	Laelaps queenslandicus	1	0.0000200	.073	1	0.0000200	.073						
	Hypaspis quinqueangustus	1	0.0000200	.073				1	0.0000200	.073			
Phytoseiidae:	Amblyseius usitatus	1	0.0000200	.073									
Ascidae:	Gamaselodes sp.	1	0.0000180	.066	1	0.0000180	.066						
	Protozamasellus primitivus similis	1	0.0000020	.007	2	0.0000040	.015				1	0.0000020	.007
	Protozamasellus dispar												
	Protozamasellus brevicornis												
	Lasicellus sp.												
Pachylaelaptidae:	Pachylaelaps sp. nov.												
ORIBATEI													
Oribatidae:	Scheerribates sp. A.	2	0.0000360	.132	2	0.0000360	.132	1	0.0000180	.066	2	0.0000360	.132
	Scheerribates sp. B.	1	0.0000200	.073	1	0.0000200	.073						
	Lidos sp.				1	0.0000150	.055						
Liodidae:	Liods sp.												
Plateremaeidae:	Plateremaeus sp.	7	0.0003500	1.279	4	0.0002000	.731				1	0.0000500	.183
	Leidocrocidella sp.												
Passalozetidae:	Passalozetes sp.				1	0.0000050	.018						
Euphthiracaridae:	Rhyzotritia sp.	1	0.0001000	.365				1	0.0001000	.365			
Cosmochthoniidae:	Cosmochthonius sp.												
Oppiidae:	Oppia nova										1	0.0000150	.055
Perlethmanniidae:	Perlethmannia sp.												
	Pilchmannia sp.												
Larvae unknown		1	0.0000010	.011	1	0.0000030	.011	2	0.0000060	.022	2	0.0000060	.022
ACARIDAE													
Acaridae:	Tyrophagus sp.	12	0.0005090	1.860	10	0.0002790	1.019	4	0.0001240	.453	6	0.0001070	.392
		1	0.0000020	.007	1	0.0000140	.051						
INSECTA													
COLLEMBOLA													
Oxychuridae:	Oxychurus camerunensis	1	0.0000200	.073	1	0.0000200	.073	11	0.0002200	.804	8	0.0001600	.585
Isotomidae:	Isotomina tarophila												
Achorutidae:	Brachystomella parvula												
Entomobryidae:	Seira squamicornata	1	0.0000160	.058									
	Entomobrya sp.	6	0.0000240	.088									
Smynthuridae:	Sphaeridia pumilis	6	0.0000240	.088									
DIPLURA													
Japygidae:	Japyx sp.	2	0.0002000	.731	1	0.0001000	.365						
CORRODENTIA													
Liposcelidae:	Liposcelus sp.	3	0.0000600	.219	1	0.0000200	.073						
HEMIPTERA													
Reduviidae:	Reduvius sp.	2	0.0008000	2.923									
HOMOPTERA													
Coccidae:	Coccis sp.	3	0.0000450	.164	1	0.0000150	.055						
THYSANOPTERA													
Phlaeothripidae:	Urothrips minor	2	0.0008000	2.923				1	0.0004000	1.462			
COLEOPTERA													
Tenebrionidae:	Tenebrionidae sp.	11	0.0021000	7.673									
HYMENOPTERA													
Formicidae:	Pheidole megacephala	1	0.0006000	2.192	3	0.0018000	6.577						
ARACHNIDA													
ARANEIDA													
Eresidae:	Eresidae sp.	2	0.0016000	5.846									
DIPLOPODA													
SPIROSTREPTOMORPHA													
Spirostreptidae:	Spirostreptidae sp.	10	0.0068000	24.846	10	0.0068000	24.846	2	0.0013600	4.969	1	0.0006800	2.484
PAUROPODA													
Fauropidae:	Fauropus sp.	1	0.0000180	.066	1	0.0000180	.066						
		44	0.0130650	47.736	18	0.0087730	32.055	15	0.0019980	7.301	9	0.0008400	3.009
		150	0.0148700	54.331	61	0.0092045	33.631	42	0.0022330	8.159	30	0.0010615	3.878

TABLE 34 B : PLOT B

PLOT No. 1111

NUMBERS AND BIOMASS VALUES OF MICROARTHROPODS FOR JULY 1965

ACARI	STRATIGRAPHICAL LAYERS	1-4 cm.		4-8 cm.		8-12 cm.		12-16 cm.	
		Numb. Biom. (g)	Biom. %	Numb. Biom. (g)	Biom. %	Numb. Biom. (g)	Biom. %	Numb. Biom. (g)	Biom. %
TRICHLIDIFORMES									
Tydeidae: Tydeolus sp. 138 0.0002070 6.557 59 0.0000885 2.803 48 0.0000720 2.281 49 0.0000735 2.328									
Microtydeus sp. 37 0.0000740 2.344									
Lorryia africana									
Lorryia sp. nov.									
Paralorryia sp.									
Nanorchestidae: Spioorchestea sp. 32 0.0000640 2.027 6 0.0000120 .380 5 0.0000100 .317 1 0.0000020 .063									
Nanorchestidae: Nanorchestea sp.									
Cunaxidae: Cunaxa sp.									
Cunaxoides sp.									
Bdellidae: Bdella sp.									
Cyta sp.									
Raphignathidae: Acheles northropia									
Stigmaeidae: Ledermulleria sp.									
Ledermulleria sp.									
Neophyllobius sp. nov. A.									
Neophyllobius sp. nov. B.									
Pseudocheyleidae: Pseudocheyleus sp.									
Cheyletidae: Paracheyletus sp.									
Trypethidae: Searia biscitatus									
Leptus sp.									
Iyemotidae: Pygmephorus sp. 58 0.0002900 9.816 6 0.0000300 .950 12 0.0000600 1.901 1 0.0000050 .158									
Tarsonemidae: Tarsonemus sp.									
Scutacaridae: Scutacarus sp. 1 0.0000020 .063 1 0.0000020 .063									
Eupodidae: Eupodes variegatus									
Eupodes parafusifer									
Anystidae: Anystes bicornis									
Cryptognathidae: Cryptognathus cucurbita									
Echygnathidae: Bimacchalis sp.									
Pachygnathus sp.									
Paratydeidae: Seclotydeus sp. 2 0.0000240 .750 1 0.0000160 .506 2 0.0000320 1.014									
Lordalychidae: Lordalychus sp.									
Tetranychidae: Brevipalpus obovatus									
SPINICLIMATA									
Rhodacaridae: Rhodacarus sublapideus 268 0.0006670 20.937 72 0.0001465 4.640 70 0.0001800 5.702 51 0.0000805 2.549									
Dugesiidae: Dugesiella sp. 1 0.0000180 .570 1 0.0000020 .063									
Laelaptidae: Laelaps gonslandicus									
Hypaspis pulchellonigrescens									
Phytoseiidae: Amblyseius usitatus									
Ascidae: Amblyseius sp.									
Protogamasellus primitivus similis									
Protogamasellus dispar 1 0.0000020 .063									
Protogamasellus brevicornis									
Lasioseius sp.									
Pachylaelaptidae: Pachylaelaps sp. nov. 1 0.0000180 .570 1 0.0000020 .063 1 0.0000020 .063									
ORIBATEI									
Oribatulidae: Scheloribates sp. A. 8 0.0001600 5.068 4 0.0000180 .570 3 0.0000540 1.711 1 0.0000150 .570									
Scheloribates sp. B. 1 0.0000800 2.534 1 0.0000200 .634									
Liodidae: Liodes sp. A.									
Liodes sp. B.									
Plateremaeidae: Plateremaeus sp. 2 0.0000300 .950									
Pedrocorticella sp.									
Passalozetidae: Passalozetes sp.									
Ophthiracaridae: Rhyzotritia sp.									
Cosmochthonidae: Cosmochthonius sp.									
Oppidae: Oppia nova 2 0.0000100 .317 1 0.0000050 .158									
Perlohmanniidae sp. 1 0.0000150 .475 1 0.0000150 .475									
Epilohmanniidae: Epilohmannia sp.									
Carabonidae sp.									
11 0.0001850 5.860 7 0.0001180 3.737 6 0.0001040 3.295 2 0.0000230 .728									
ACARINAE									
Acaridae: Tyrophagus sp. 8 0.0001120 3.548									
INSECTA									
COLEOPTERA									
Oxyteluridae: Oxytelurus canerunensis 1 0.0000200 .634 2 0.0000400 1.267 1 0.0000200 .634									
Isotomidae: Isotomina terraephila 3 0.0001050 3.326									
Acherutidae: Brachystonella parvula									
Entomobryidae: Geira squamocornata									
Entomobrya sp.									
Sminthuridae: Sphaeridia pumilis									
DIPLURA									
Japygidae: Japyx sp.									
HEMIPTERA									
Tetranidae sp. 1 0.0004000 12.670									
HYMENOPTERA									
Phlaeothripidae: Urothrips minor 1 0.0004000 12.670									
CRUSTACEA									
COPEPODA									
Cyclopidae: Mesocyclops sp. 4 0.0005050 15.996 11 0.0003500 11.087 3 0.0004400 13.937 7 0.0002300 7.286									
292 0.0014810 46.911 90 0.0006145 19.465 80 0.0007260 22.997 61 0.0003355 10.626									

TABLE 35 B : PLOT B

PLOT No. 1111

NUMBERS AND BIOMASS VALUES OF MICROARTHROPODS FOR SEPTEMBER 1965

		Numb. Biom. (g)		Numb. Biom. (g)		Numb. Biom. (g)		Numb. Biom. (g)	
		Biom. %		Biom. %		Biom. %		Biom. %	
STRATIGRAPHICAL LAYERS		1-4 cm.		4-8 cm.		8-12 cm.		12-16 cm.	
ACARI									
TROMBIDIFORMES									
Tydeidae: Tydaeus sp.									
	8	0.0000160	.545	7	0.0000140	.477	4	0.0000080	.272
				1	0.0000135	.460			
							1	0.0000135	.460
Lorryia sp. nov.									
Paralorryia sp.									
Nanorchestidae: Spilorchestes sp.									
Nanorchestes sp.									
Cunaxidae: Cunaxa sp.									
							1	0.0000140	.477
Cunaxoides sp.									
Edellidae: Edella sp.									
Cyta sp.									
Raphignathidae: Schelus septentrionalis									
Stigmaeidae: Ledermulleria sp.									
Ledermulleriopsis sp.									
Neophyllobius sp. nov. A.									
Neophyllobius sp. nov. B.									
Pseudocheylidae: Pseudocheylus sp.									
Cheyletidae: Parachyletia sp.									
Erythraeidae: Smaris biscutatus									
							2	0.0000100	.341
Leptus sp.									
	13	0.0000650	2.214						
Pyemotidae: Pyemphorus sp.									
Tarsosomidae: Tarsosoma sp.									
	1	0.0000020	.068	1	0.0000020	.068			
Scutacaridae: Scutacarus sp.									
				1	0.0000140	.477			
Eupodidae: Eupodes variegatus									
Eupodes parafischeri									
Anystidae: Anystes baccharis									
Cryptognathidae: Cryptognathus cucurbita									
				2	0.0000320	1.090			
Pachygnathidae: Pimicheilia sp.									
Pachygnathus sp.									
Paratydeidae: Scolotydeus sp.									
Lordalychidae: Lordalychus sp.									
Tetranychidae: Previpalpus obtusus									
MESOSTIGMATA									
	22	0.0000830	2.827	12	0.0000755	2.572	5	0.0000215	.732
Rhodacaridae: Rhodacarus sublapideus									
							1	0.0000020	.068
Digamasellidae: Digamasellus sp.									
Laelaptidae: Goulaelaps psenslandicus									
				2	0.0000400	1.363	1	0.0000200	.681
Hypaspis quinquelongisetus									
Phytoseiidae: Amblyseius usitatus									
Ascidae: Gamaseiloues sp.									
				1	0.0000020	.068			
Protogamasellus primitivus similis									
Protogamasellus dispar									
Protogamasellus brevicornis									
Lasioseius sp.									
Pachylaelaptidae: Pachylaelaps sp. nov.									
				3	0.0000420	1.431	1	0.0000200	.681
ORIBATEI									
Oribatulidae: Scheloribates sp. A.									
	1	0.0000130	.613	4	0.0000720	2.453	4	0.0000720	2.453
Scheloribates sp. B.									
	6	0.0001200	4.089	3	0.0000600	2.044	2	0.0000400	1.363
Liodidae: Liodes sp. A.									
							3	0.0000600	2.044
Liodes sp. B.									
	1	0.0000050	.170				1	0.0000140	.477
Plateremaeidae: Plateremaeus sp.									
Pedrocorticella sp.									
	2	0.0000100	.341						
Passalozetidae: Passalozetes sp.									
Euphthiracidae: Rhyzotritia sp.									
Cosmochothoniidae: Cosmochothonius sp.									
Oppiidae: Oppia nova									
Perlohmanniidae sp.									
Epilohmanniidae: Epilohmannia sp.									
Carabodidae sp.									
	10	0.0001530	5.213	7	0.0001320	4.497	6	0.0001120	3.816
ACARILIAE									
Acaridae: Tyrophagus sp.									
INSECTA									
COLLEMBOLA									
Onychiuridae: Onychiurus cimerunensis									
	8	0.0001600	5.450	2	0.0000400	1.363	9	0.0001800	6.132
Isotomidae: Isotomina terricola									
	4	0.0001400	4.769	1	0.0000350	1.192	1	0.0000350	1.192
Achorutidae: Brachystomella parvula									
Entomobryidae: Seira squamornata									
Entomobrya sp.									
Sminthuridae: Sphaeridia pumilis									
DIPLURA									
Japygiidae: Japyx sp.									
DIPTERA									
Cecidomyiidae sp.									
				1	0.0002500	8.516	1	0.0002500	8.516
HOMOPTERA									
Coccidae sp.									
							1	0.0000150	.511
FAUROPODA									
Pauropidae: Pauropus sp.									
	1	0.0000180	.613						
DIPLOROPODA									
SPIROSTREPTOMORPHA									
Spirostreptidae sp.									
	1	0.0006800	23.165						
	14	0.0009980	33.997	4	0.0003250	11.071	11	0.0004450	15.159
	9	0.0001950	6.542						
	46	0.0012340	42.037	28	0.0005745	19.571	23	0.0005985	20.388
	39	0.0005285	18.003						

TABLE 36 B : PLOT B

PLOT No. 1111

NUMBERS AND BIOMASS VALUES OF MICROARTHROPODS FOR JANUARY 1966

	Numb. Biom. (g)		Biom. %		Numb. Biom. (g)		Biom. %		Numb. Biom. (g)		Biom. %								
	STRATIGRAPHICAL LAYERS				1-4 cm.				4-8 cm.				8-12 cm.				12-16 cm.		
ACARI																			
TROMBIDIFORMES																			
Tydeidae: Tydaeus sp.	61	0.0000915	.421	14	0.0000210	.096	7	0.0000105	.048	12	0.0000180	.083							
Microtydeus sp.	39	0.0000780	.358	14	0.0000280	.129				7	0.0000140	.064							
Lorixa sp. nov.	3	0.0000405	.186																
Paralorixa sp.																			
Nanorchestidae: Spelcorchestes sp.										1	0.0000020	.009							
Nanorchestes sp.																			
Cunaxidae: Cunaxa sp.																			
Cunaxoides sp.																			
Bdellidae: Bdella sp.																			
Cyta sp.																			
Raphignathidae: Acheles aethiopia																			
Stigmaeidae: Ledermulleria sp.																			
Ledermulleriopsis sp.																			
Neophyllobius sp. nov. A.																			
Neophyllobius sp. nov. B.																			
Pseudocheyleidae: Pseudocheyleus sp.																			
Cheyletidae: Paracheyletia sp.																			
Erythraeidae: Smaris biscutatus																			
Leptus sp.	60	0.0003000	1.379	184	0.0009200	4.229	14	0.0000700	.322	72	0.0003600	1.655							
Pyemotidae: Pygmephorus sp.009																
Tarsonemidae: Tarsonemus sp.	1	0.0000020	.009																
Scutacaridae: Scutacarus sp.	3	0.0000060	.028	3	0.0000060	.028													
Eupodidae: Eupodes variegatus				2	0.0000280	.129													
Eupodes parafusifer																			
Anystidae: Anystes bacarum																			
Cryptognathidae: Cryptognathus cucurbita																			
Pachygnathidae: Bimichealia sp.				1	0.0000160	.074	1	0.0000160	.074										
Pachygnathus sp.																			
Paratydeidae: Sociocydeus sp.																			
Lordalychidae: Lordalychus sp.																			
Tetranychidae: Previpalpus obovatus																			
MESOCOTIGATA	167	0.0005180	2.381	218	0.0010190	4.685	22	0.0000965	.444	92	0.0003940	1.811							
Rhodacaridae: Rhodacarus sublapideus																			
Digamasellidae: Digamasellus sp.																			
Laelaptidae: Geolaelaps queenslandicus	1	0.0000200	.092				2	0.0000400	.184										
Hypaspis quinquelongisetus	1	0.0000200	.092	1	0.0000200	.092													
Phytoseiidae: Amblyseius usitatus	9	0.0001800	.827	2	0.0000400	.184	3	0.0000600	.276	2	0.0000400	.184							
Ascidae: Gammaselodes sp.																			
Protogamasellus primitivus similis				1	0.0000020	.009	2	0.0000040	.018										
Protogamasellus dispar							1	0.0000020	.009	1	0.0000020	.009							
Protogamasellus brevicornis																			
Lasioseius sp.	19	0.0003800	1.747	8	0.0001600	.735													
Pachylaelaptidae: Pachylaelaps sp. nov.																			
ORIBATEI	30	0.0006000	2.758	12	0.0002220	1.020	8	0.0001060	.487	3	0.0000420	.193							
Oribatulidae: Scheloribates sp. A.	21	0.0003780	1.738	11	0.0001980	.910	3	0.0000540	.248	8	0.0001440	.662							
Schelorbates sp. B.	64	0.0012800	5.885	34	0.0006800	3.126	27	0.0005400	2.483	16	0.0003200	1.471							
Liodidae: Liodes sp. A.																			
Liodes sp. B.	1	0.0000150	.069	2	0.0000300	.138				3	0.0000450	.207							
Plateremaeidae: Plateremaeius sp.																			
Pedrocorticella sp.																			
Passalozetidae: Passalozetes sp.	2	0.0000100	.046	21	0.0001050	.483				1	0.0000050	.023							
Euphracridae: Rhyzotritia sp.																			
Cosmoctonhidae: Cosmoctonhionus sp.																			
Oppidae: Oppia nova	5	0.0000250	.115	7	0.0000350	.161	1	0.0000050	.023	1	0.0000050	.023							
Perlohmanniidae sp.																			
Epilohmanniidae: Epilohmannia sp.																			
Carabodidae sp.																			
ACARINIAE	93	0.0017080	7.853	75	0.0010480	4.818	31	0.0005990	2.754	29	0.0005190	2.386							
Acaridae: Tyrophagus sp.																			
INSECTA																			
COLLEMBOLA																			
Onychiuridae: Onychiurus caxerunensis	1	0.0000200	.092																
Isotomidae: Isotomina terraephila	51	0.0017850	8.207	74	0.0025900	11.907	37	0.0012950	5.954	65	0.0022750	10.459							
Achorutidae: Achorutella parvula				2	0.0000600	.296													
Entomobryidae: Selira squamornata																			
Entomobrya sp.																			
Sminthuridae: Sphaeridia pumilis																			
DIPLURA																			
Japygidae: Japyx sp.																			
HEMIPTERA																			
Reluviidae sp.	1	0.0004000	1.839																
Isometopidae: Letaba bedfordi	2	0.0030200	13.884																
TRISANOPTERA																			
Phlaeothripidae: Faureothrips reticulatus										1	0.0004000	1.839							
LEPIDOPTERA																			
Noctuidae: Lapygma exempta	14	0.0025200	11.585																
DIPTERA																			
Cecidomyiidae sp.	1	0.0002500	1.149																
CRUSTACEA																			
COPEPODA																			
Cyclopidae: Mesocyclops sp.	1	0.0000150	.069																
	71	0.0080100	36.825	76	0.0026500	12.183	37	0.0012950	5.954	67	0.0029250	13.447							
	361	0.0108360	49.817	381	0.0049390	22.706	98	0.0020965	9.639	191	0.0038800	17.873							

TABLE 37 A : PLOT B

PLOT No. 1111

NUMBERS AND BIOMASS VALUES OF MICROARTHROPODS FOR APRIL 1966

		1-4 cm.		4-8 cm.		8-12 cm.		12-15 cm.								
		Numb.	% Biom.	Numb.	% Biom.	Numb.	% Biom.	Numb.	% Biom.							
ACARI																
TRYPLETIFORMES STRATIGRAPHICAL LAYERS																
Tydeidae: Tydaeus sp.																
Microtydeus sp.				2	.913	.080										
Lorryia africanus				1	.457	.271										
Lorryia sp. nov.							118.231									
Paralorryia sp.							59.116									
Nanorchestidae: Speleorchestes sp.	3	1.370	.120	177.347												
Nanorchestes sp.																
Cunaxidae: Cunaxa sp.																
Cunaxoides sp.																
Edellidae: Edella sp.																
Cyta sp.																
Raphignathidae: Acheles methiopica																
Stigmaeidae: Ledermulleria sp.																
Ledermulleriopsis sp.																
Neophyllobius sp. nov. A																
Neophyllobius sp. nov. B																
Pseudocheyleidae: Pseudocheyleus sp.																
Cheyletidae: Paracheyletia sp.																
Erythraeidae: Scharis biscutatus																
Leptus sp.																
Pygmephoridae: Pygmephorus sp.	2	.913	.201	118.231												
Tarsonemidae: Tarsonemus sp.								1	.457							
Scutacaridae: Scutocarus sp.	12	5.479	.482	709.387					59.116							
Eupodidae: Eupodes variegatus																
Eupodes parafusifer																
Anystidae: Anystes baccharum																
Cryptognathidae: Cryptognathus cucurbita																
Pachygnathidae: Bimichealia sp.	1	.457	.321	59.116												
Pachygnathus sp.	1	.457	.321	59.116												
Paratydeidae: Scolytodes sp.																
Tetranychidae: Brevipalpus ohovatus	1	.457	.281	59.116												
MESOSTIGMATA																
Rhodacaridae: Rhodacarus sublapideus	26	9.113	1.726	1182.112	4	1.327	.672	216.452	3	1.370	.672	177.347	1	.457	.100	59.116
Digamastellidae: Digamastellus sp.																
Laelaptidae: Geolaelaps geoselandicus	1	.457	.402	59.116	1	.457	.402	59.116	2	.913	.803	118.231				
Hypospizis quinquelongisetus																
Phytoseiidae: Amblyseius usitatus																
Ascidae: Gamasellodes sp.	1	.457	.361	59.116												
Protogamasellus primitivus similis	1	.457	.040	59.116												
Protogamasellus brevicornis	1	.457	.040	59.116												
Lasioseius sp.	3	1.370	1.205	177.346												
Pachylaelaptidae: Pachylaelaps sp. nov.	17	7.762	7.065	1004.955												
ORIBATEI																
Scheloribatidae: Scheloribat es sp. A.	49	22.373	17.707	2896.664	22	10.045	7.950	1300.543	5	2.739	2.168	354.694	6	2.739	2.158	354.694
Scheloribat es sp. B.	28	12.785	11.243	1655.237	13	5.936	5.220	768.502	8	3.653	3.213	472.924	8	3.653	3.213	472.924
Liodes sp. A.																
Liodes sp. B.																
Plateremaeidae: Plateremaeus sp.																
Pedrocorticella sp.	2	.913	.602	118.231												
Pasalozetidae: Pasalozetes sp.																
Euphthiracaridae: Rhyzotritia sp.																
Cosmochthoniidae: Cosmochthonius sp.																
Oppiidae: Oppia nova	5	2.282	.502	295.578												
Perilohmanniidae sp.	3	1.370	.903	177.346												
Epilohmanniidae: Epilohmannia sp.																
Carabodidae sp.																
ACARIDIAE																
Acariidae: Tyrophagus sp.	87	39.723	39.957	5143.056	35	15.981	11.170	2059.045	15	6.849	5.481	385.714	14	6.392	5.381	8827.619
INSECTA																
COLEMBOLA																
Onychiuridae: Onychiurus camerunensis	1	.457	.703	59.116	3	1.370	1.205	177.345	2	.913	.803	118.231				
Isotomidae: Isotomina ternophila																
Achorutidae: Brachystomella parvula																
Entomobryidae: Seira squameornata																
Entomobrya sp.																
Sminthuridae: Sphaeridia pusilla																
DIPLOURA																
Japygidae: Japyx sp.																
CORRODENTIA																
Liposcellidae sp.																
HEMIPTERA																
Reluviidae sp.																
Isometopidae: Letaba bedfordi																
HOMOPTERA																
Aphididae: Macrosiphum sp.																
Coccidae sp.																
THYSANOPTERA																
Faureothripidae: Urothrips minor													1	.457	8.030	59.116
Faureothrips reticulatus																
LEPIDOPTERA																
Noctuidae: Lapygma exempta																
DIPLOPTERA																
Cecidomyiidae sp.	1	.457	5.019	59.116												
COLEPTERA																
Tenebrionidae sp.	1	.457	3.614	59.116												
HYMENOPTERA																
Trichogrammatidae: Trichogramma sp.																
Formicidae: Pheidole megacopha																
ARACHNIDA																
ARANEIDA																
Spilicidae sp.																
Drebinia sp.																
Linyphiidae sp.																
DIPLOPODA																
DIPOSOPTOMORPHA																
Sphaerostreptidae sp.																
CHILOPODA																
GEOPHILORHINA																
Geophilidae sp.																
PAUROPODA																
Faureopidae: Faureopus sp.																
TARSIPODA																
SUFARCIORINA																
Maeroticidae sp.																
CRUSTACEA																
COPEPODA																
Cyclopidae: Mesocyclops sp.	3	1.370	3.136	177.348	5	2.283	2.610	295.577	3	1.370	1.506	177.347	1	.457	8.030	59.116
TOTAL																
	134	61.387	61.132	7921.491	45	20.548	15.854	2560.200	24	10.959	8.502	1418.775	15	7.306	11.511	9945.850

TABLE 37 B : PLOT B

PLOT No. 1111

NUMBERS AND BIOMASS VALUES OF MICROARTHROPODS FOR APRIL 1966

		1-4 cm.		4-8 cm.		8-12 cm.		12-16 cm.	
		Numb.	Biom. (%)	Numb.	Biom. (%)	Numb.	Biom. (%)	Numb.	Biom. (%)
ACARI									
TROMBIDIFORMES									
Tydeidae:	Tydaeus sp.			2	0.0000040	.080	1	0.0000015	.030
	Microtydeus sp.			1	0.0000135	.271			
	Lorryia africana sp.								
	Lorryia sp. nov.								
	Paralorryia sp.								
Nanorchestidae:	Spelorchestes sp.	3	0.0000060						
	Nanorchestes sp.								
Cunaxidae:	Cunaxa sp.								
	Cunaxoides sp.								
Edellidae:	Edella sp.								
	Cyta sp.								
Raphignathidae:	Acheles aethiopia								
Stigmaeidae:	Ledermulleria sp.								
	Ledermulleropsis sp.								
	Neophyllobius sp. nov. A								
	Neophyllobius sp. nov. B								
Pseudocheylidae:	Pseudocheylus sp.								
Cheyletidae:	Paracheyletia sp.								
Erythraeidae:	Smaris biscutatus								
	Leptus sp.								
Pyemotidae:	Pygmephorus sp.	2	0.0000100					1	0.0000050
Tarsonemidae:	Tarsonemus sp.								
Scutacaridae:	Scuticarus sp.	12	0.0000240						
Eupodidae:	Eupodes variegatus								
	Eupodes parafusifer								
Anystidae:	Anystes bacorum								
Cryptognathidae:	Cryptognathus cucurbita	1	0.0000160						
Pachygnathidae:	Bimichealia sp.	1	0.0000160						
	Pachygnathus sp.	1	0.0000160	1	0.0000160	.321	2	0.0000320	642
Paratydeidae:	Scolotydeus sp.								
Lordalychidae:	Lordalychus sp.								
Tetranychidae:	Brevipalpus obovatus	1	0.0000140						
		20	0.0000860	1.726	4	0.0000335	.672	3	0.0000335
MESOSTIGMATA									
Rhodacaridae:	Rhodacarus subulpidus							1	0.0000020
Digamasellidae:	Digamasellus sp.								
Laelaptidae:	Geolaelaps queenslandicus	1	0.0000200					2	0.0000400
	Hypoaspis quinquelongisetus								
Phytoseiidae:	Amblyseius usitatus								
Ascidae:	Gamasellodes sp.	1	0.0000180						
	Protogamasellus primitivus similis	1	0.0000020						
	Protogamasellus dispar								
	Protogamasellus brevicornis	1	0.0000020						
	Lastoseius sp.	3	0.0000600						
		17	0.0008500						
Pachylaelaptidae:	Pachylaelaps sp. nov.								
		24	0.0009520	19.113	1	0.0000200	.402	3	0.0000420
ORIBATEI									
Oribatulidae:	Scheloribates sp. A	49	0.0008820	17.707	22	0.0003950	7.950	6	0.0001080
	Scheloribates sp. B	28	0.0005600	11.243	13	0.0002600	5.220	8	0.0001600
Liodidae:	Liodes sp. A								
	Liodes sp. B								
Plateremaeidae:	Plateremaeus sp.								
	Pedrocorticella sp.	2	0.0000300						
Passalozetidae:	Passalozetes sp.								
Euphthiracrididae:	Rhyzotritia sp.								
Cosmocthonidae:	Cosmocthonius sp.								
Oppidae:	Oppia nova	5	0.0000250					1	0.0000050
Perlohmanniidae:	Perlohmannia sp.	3	0.0000450						
Epilohmanniidae:	Epilohmannia sp.								
Carabodidae:									
		87	0.0015420	30.957	35	0.0006560	13.170	15	0.0002730
ACARINIAE									
Acaridae:	Tyrophagus sp.								
INSECTA									
COLLEMBOLA									
Onychiuridae:	Onychiurus cizerunensis			3	0.0000600	1.205	2	0.0000400	.803
Isotomidae:	Isotomina termophila	1	0.0000350	.703	2	0.0000700	1.405	1	0.0000350
Achorutidae:	Brachystomella parvula								
Entomobryidae:	Seira squamornata								
	Entomobrya sp.								
Sminthuridae:	Sphaeridia pumilis								
DIPLURA									
Japygidae:	Japyx sp.								
THYSANOPTERA									
Phlaeothripidae:	Prothrips minor							1	0.0004000
DIPTERA									
Cecidomyiidae:		1	0.0002500	5.019					
COLEOPTERA									
Tenebrionidae:		1	0.0001800	3.614					
		3	0.0004650	9.336	5	0.0001300	2.610	3	0.0000750
								1	0.0004000
								1	0.0004000
								1	0.0006730
								16	0.0006730
								24	0.0004235
								8	5.02
								16	0.0006730
								13	5.11

TABLE 38 B : PLOT C

PLOT No. H 336

NUMBERS AND BIOMASS VALUES OF MICROARTHROPODS FOR JULY 1965

	Numb.	Biom. (g)	Biom. %	Numb.	Biom. (g)	Biom. %	Numb.	Biom. (g)	Biom. %	Numb.	Biom. (g)	Biom. %			
													1-4 cm.		
ACARI															
TROMBIDIFORMES															
Tydeidae: Tydaeus sp.	33	0.0000495	2.440	22	0.0000330	1.627	16	0.0000240	1.183	27	0.0000405	1.997			
Microtydeus sp.	2	0.0000040	.197	2	0.0000040	.197				1	0.0000135	.665			
Ucertyia africana sp.															
Leoryia sp. nov.															
Ucertyia sp.															
Nanorchestidae: Spelorchestes sp.	2	0.0000040	.197	1	0.0000020	.099	1	0.0000020	.099	3	0.0000060	.296			
Nanorchestes sp.															
Cunaxidae: Cunaxa sp.															
Cunaxoides sp.															
Edellidae: Edella sp.										1	0.0000140	.690			
Cyta sp.															
Raphignathidae: Acheles aethiopia							1	0.0000160	.789						
Stigmaeidae: Leuermulleria sp.															
Leuermulleria sp.															
Neophyllobius sp. nov. A.															
Neophyllobius sp. nov. B.															
Pseudocheyleidae: Pseudocheyleus sp.															
Cheyletidae: Paracheyletia sp.															
Erythraeidae: Smecris biscutatus															
Leptus sp.	2	0.0000100	.493	1	0.0000050	.246	2	0.0000100	.493	2	0.0000100	.493			
Pyemotidae: Pygmephorus sp.							2	0.0000040	.197						
Tarsonemidae: Tarsonemus sp.	10	0.0000200	.986												
Scutacaridae: Scutacarus sp.															
Eupodidae: Eupodes variegatus															
Eupodes parafusifer															
Anystidae: Anystes bicarum															
Cryptognathidae: Cryptognathus cucurbita															
Pachygnathidae: Bimichealia sp.							1	0.0000160	.789	1	0.0000160	.789			
Pachygnathus sp.															
Paratydeidae: Scolotydeus sp.															
Lordalychidae: Lordalychus sp.															
Tetranychidae: Brevipalpus obovatus	49	0.0000875	4.313	26	0.0000440	2.169	23	0.0000720	3.550	35	0.0001000	4.930			
MESOSTIGMATA															
Rhodacaridae: Rhodacarus sublapideus															
Digamasellidae: Digamasellus sp.															
Laelaptidae: Geolaelaps jeanslandicus															
Hypoaspis quinquelongisetus															
Phytoseiidae: Amblyseius usitatus															
Ascidae: Gamasellodes sp.							1	0.0000020	.099						
Protogamasellus primitivus similis															
Protogamasellus dispar															
Protogamasellus brevicornis															
Lasioseius sp.															
Pachylaelaptidae: Pachylaelaps sp. nov.							1	0.0000020	.099						
ORIBATEI															
Oribatulidae: Scheloribates sp. A.	1	0.0000180	.887	2	0.0000360	1.775	4	0.0000720	3.549	2	0.0000360	1.775			
Schelorbates sp. B.	3	0.0000600	2.985	7	0.0001400	6.902	6	0.0001200	5.916						
Liodidae: Liodes sp. A.															
Liodes sp. B.															
Plateremaeidae: Plateremaeus sp.				1	0.0000150	.739	2	0.0000300	1.479	1	0.0000150	.739			
Pedrocorticella sp.										6	0.0000300	1.479			
Passalozetidae: Passalozetes sp.															
Euphthiracaridae: Rhyzotritia sp.															
Cosmochthonidae: Cosmochthonius sp.															
Oppidae: Oppia nova				1	0.0000050	.246				1	0.0000050	.246			
Perlohmanniidae sp.	2	0.0000300	1.479	3	0.0000450	2.218	1	0.0000150	.739						
Epilohmanniidae: Epilohmannia sp.															
Carabodidae sp.															
ACARIIAE															
Acaridae: Tyrophagus sp.	6	0.0001080	5.324	14	0.0002410	11.880	13	0.0002370	11.683	10	0.0000860	4.239			
	1	0.0000140	.690												
INSECTA															
COLLEMBOLA															
Onychiuridae: Onychiurus camerunensis				2	0.0000400	1.972									
Isotomidae: Isotomina terricola															
Achorutidae: Brachystomella parvula															
Entomobryidae: Seira squamornata															
Entomobrya sp.															
Sminthuridae: Sphaeridia pumilis															
DIPLURA															
Japygidae: Japyx sp.															
HEMIPTERA															
Reduviidae sp.				1	0.0004000	19.719	1	0.0004000	19.719						
COLEOPTERA															
Tenebrionidae sp.										1	0.0001800	8.874			
TARDIGRADA															
EUTARDIGRADA															
Macrobrotidae sp.										1	0.0000020	.099			
CRUSTACEA															
COPEPODA															
Cyclopidae: Mesocyclops sp.	1	0.0000150	.739												
	1	0.0000150	.739	3	0.0004400	21.691	1	0.0004000	19.719	2	0.0001820	8.973			
	57	0.0002245	11.066	43	0.0007250	35.740	38	0.0007110	35.051	47	0.0003680	18.142			

TABLE 39 A : FLOT C

FLOT No. H 336

NUMBERS AND BIOMASS VALUES OF MICROARTHROPODS FOR SEPTEMBER 1965

	1-4 cm.		4-8 cm.		8-12 cm.		12-16cm.	
	Numb.	% Biom.	Numb.	% Biom.	Numb.	% Biom.	Numb.	% Biom.
ACARI								
TRITRIFORMES								
Tydeidae: Tydaeus sp.	18	14.062	1.337	1064.080	5	3.906	.371	295.578
Microtydeus sp.					1	.781	.099	59.116
Lorryia africana sp.					1	.781	.669	59.116
Lorryia sp. nov.					1	.781	.669	59.116
Paralorryia sp.								
Nanorchestidae: Spelorchestes sp.	2	1.563	.198	118.231	3	2.344	.297	177.347
Nanorchestes sp.								
Cunaxidae: Cunaxa sp.								
Cunaxoides sp.								
Psyllidae: Psylla sp.								
Cyta sp.								
Raphignathidae: Acheles aethiopica								
Stigmaeidae: Ledermulleria sp.								
Ledermulleria sp.								
Neophyllobius sp. nov. A.								
Neophyllobius sp. nov. B.								
Pseudocheyleidae: Pseudocheylus sp.								
Cheyletidae: Paracheyletia sp.								
Erythraeidae: Searis biscutatus								
Leptus sp.								
Eyemotidae: Eyemephorus sp.	3	2.344	.743	177.347				
Tarsonemidae: Tarsonemus sp.								
Scutacaridae: Scutacarus sp.								
Eupodidae: Eupodes variegatus								
Eupodes parafusifer								
Anystidae: Anystes haccarum								
Cryptognathidae: Cryptognathus cucurbita	1	.781	.793	59.116				
Pachygnathidae: Pimicheilia sp.								
Paratyidae: Isolytydeus sp.					1	.781	.594	59.116
Tetranychidae: Brevipalpus chovatus								
MESOSTIGMATA	24	18.750	3.071	1418.774	12	9.375	2.699	709.389
Rhodacaridae: Rhodacarus sublapis								
Digamasellidae: Digamasellus sp.								
Laelaptidae: Geolaelaps zealandicus								
Hypoaspis quinquelongisetus								
Phytoseiidae: Amblyseius usitatus								
Ascidae: Gamasillodes sp.								
Protogamasellus primitivus similis								
Protogamasellus dispar								
Protogamasellus brevicornis								
Lasioseius sp.								
Pachylaelaptidae: Pachylaelaps sp. nov.	2	1.563	4.953	118.231	1	.781	2.476	59.116
ORIBATEI	2	1.563	4.953	118.231	1	.781	2.476	59.116
Oribatulidae: Scheloribates sp. A.	28	21.875	24.963	1655.236	14	10.937	12.481	827.518
Schoribates sp. B.	22	17.187	21.793	1300.543	7	5.469	6.934	413.809
Liodidae: Liodes sp. A.								
Liodes sp. B.								
Plateremaeidae: Plateremaeus sp.								
Pedrocorticella sp.								
Passalozetidae: Passalozetes sp.								
Euphthiracaridae: Rhyzetritia sp.								
Cosmochthonidae: Cosmochthonius sp.								
Oppidae: Oppia nova								
Perlohmanniidae sp.								
Epilohmanniidae: Epilohmannia sp.								
Carabodidae sp.								
ACARIDAE	50	39.062	45.756	2955.779	21	16.406	19.415	1241.427
Acaridae: Tyrophagus sp.								
INSECTA								
COLLEMBOLA								
Onychiuridae: Onychiurus camerunensis								
Isotomidae: Isotomina termophila	3	2.344	5.200	177.347				
Achorutidae: Brachystomella parvula								
Entombryidae: Seira squamicornata								
Entombrya sp.								
Sminthuridae: Sphaeridia pumilis								
DIPLOURA								
Japygidae: Japyx sp.							1	.781
CORRODENTIA								
Lipocellidae sp.	1	.781	.991	59.116				
HEMITERA								
Reduviidae sp.								
Isometopidae: Letaba bedfordi								
HEMiptera								
Aphididae: Macrocephalus sp.								
Coccidae sp.								
THYSANOPTERA								
Phlaeothripidae: Trothrips minor								
Paureothrips reticulatus								
DIPTEROPHYTES								
Cecidomyiidae: Lappya oxempta								
DIPTERA								
Cecidomyiidae sp.								
HYMENOPTERA								
Trichogrammatidae: Trichogramma sp.								
Phaenidae: Phaenola megaccephala								
ARACHNIDA								
ARANEIDA								
Balliidae sp.								
Prociidae sp.								
Linyphiidae sp.								
DIPLOPODA								
SPINICRUSTACEA								
Spirostreptidae sp.								
CHILOPODA								
GEOPHILORHINA								
Geophilidae sp.								
PAUROPODA								
Iauropidae: Iauropus sp.							1	.781
TARSIPODA								
HYDROPHORA								
Macrosomatidae sp.								
CRUSTACEA								
COPPODA								
Cyclopidae: Mesocyclops sp.	4	3.125	6.191	236.452				
TOTAL	80	62.500	60.971	4729.245	34	26.562	24.590	2009.912
					10	7.813	6.711	591.155
					4	3.125	7.725	235.452

TABLE 39 B : PLOT C

PLOT No. H 336

NUMBERS AND BIOMASS VALUES OF MICROARTHROPODS FOR SEPTEMBER 1965

STRATIGRAPHICAL LAYERS		1-4 cm.		4-8 cm.		8-12 cm.		12-16 cm.	
		Numb.	Biom. (g)	Numb.	Biom. (g)	Numb.	Biom. (g)	Numb.	Biom. (g)
ACARI									
TROCHIDIFORMES									
Tydeidae: Tydeolus sp.		18	0.0000270	1.337	5	0.0000075	.371		
Microtydeus sp.					1	0.0000020	.099		
Lorryia africana					1	0.0000135	.669	1	0.0000135
Lorryia sp. nov.					1	0.0000135	.669		
Parclorryia sp.									
Nanorchestidae: Spelorchestes sp.		2	0.0000040	.198	3	0.0000060	.297	3	0.0000060
Nanorchestes sp.									
Cumaxidae: Cumaxa sp.									
Cumaxoides sp.									
Fiellidae: Fiella sp.									
Tyta sp.									
Raphignathidae: Acheles aethiops									
Stigmolaelaps: Laemulleria sp.									
Lederermulleropsis sp.									
Neophyllobius sp. nov. A.									
Neophyllobius sp. nov. B.									
Pseudochepidae: Pseudocheylus sp.									
Cheyletidae: Paracheyletia sp.									
Dytrichidae: Smaris hirsutus									
Leptus sp.									
Pyemotidae: Pyemphorus sp.		3	0.0000150	.743					
Tarsomidae: Tarsomus sp.									
Soutouidae: Soutouus sp.									
Eupodiidae: Eupodes ricinus									
Eupodes parvulus									
Anystidae: Anystes bicolor									
Cryptognathidae: Cryptognathus cucurbita		1	0.0000160	.793					
Pachygnathidae: Binichenia sp.									
Pachygnathus sp.									
Paratyfidae: Scolotydeus sp.		1	0.0000120	.594					
Lordalychidae: Lordalychus sp.									
Tetranychidae: Previpalpus obovatus									
		24	0.0000620	3.071	12	0.0000545	2.699	4	0.0000195
MESOSTIGMATA									
Rhodacaridae: Rhodacarus sublaevis									
Digamasellidae: Digamasellus sp.									
Laelaptidae: Geolaelaps queenslandicus									
Hypaspis quinquelongisetus									
Phytoseiidae: Amblyseius usitatus									
Ascidae: Gamaselloes sp.									
Protogamasellus primitivus similis									
Protogamasellus dispar									
Protogamasellus brevicornis									
Lasiosius sp.									
Pachylaelaptidae: Pachylaelaps sp. nov.		2	0.0001000	4.953	1	0.0000500	2.476		
		2	0.0001000	4.953	1	0.0000500	2.476		
ORIBATEI									
Oribatulidae: Scheloribates sp. A.		28	0.0005040	24.963	14	0.0002520	12.481	2	0.0000360
Scheloribates sp. B.		22	0.0004400	21.793	7	0.0001400	6.934	4	0.0000800
Liodidae: Liodes sp. A.								1	0.0000180
Liodes sp. B.								1	0.0000200
Plateremaeidae: Plateremaeus sp.									
Pedroorticea sp.									
Passalozetidae: Passalozetes sp.									
Euphthiracaridae: Rhyzotritia sp.									
Cosmochthonidae: Cosmochthonius sp.									
Opilidae: Opila nova									
Perlohmanniidae sp.									
Epilohmanniidae: Epilohmannia sp.									
Carabodidae sp.									
		50	0.0009440	46.756	21	0.0003920	19.415	6	0.0001160
								5.745	2
								0.0000380	1.882
CARILIAE									
Acariidae: Tyrophagus sp.									
INSECTA									
COLLEMBOLA									
Orychiuridae: Orychiurus camerunensis		3	0.0001050	5.200					
Isotomidae: Isotomina terraphila									
Acherutidae: Brachystomella parvula									
Entomobryidae: Seira squamoornata									
Entomobrya sp.									
Sminthuridae: Sphaeridia pumilis									
DIPLURA									
Japygidae: Japyx sp.								1	0.0001000
									4.953
CORRODENTIA									
Linoscolidae sp.		1	0.0000200	.991					
PAUROFODA									
Pauropidae: Pauropus sp.								1	0.0000180
								2	0.0001180
		4	0.0001250	6.191					5.844
		80	0.0012310	60.971	34	0.0004965	24.590	10	0.0001355
								6.711	4
								0.0001560	7.726

TABLE 40 A : PLOT C

PLOT No. H 336

NUMBERS AND BIOMASS VALUES OF MICROARTHROPODS FOR JANUARY 1966

	LAYERS	1-4 cm.				4-8 cm.				8-12 cm.				12-16cm.			
		Numb.	Numb. % Biom.	Numb./m ²	% Biom./m ²	Numb.	Numb. % Biom.	Numb./m ²	% Biom./m ²	Numb.	Numb. % Biom.	Numb./m ²	% Biom./m ²	Numb.	Numb. % Biom.	Numb./m ²	% Biom./m ²
ACARI																	
TRIMPHILIFORMES																	
Tydeidae: Tydaeus sp.	34	4.527	.194	2009.930	15	1.997	.086	886.734	14	1.864	.080	827.618	5	.665	.029	295.578	
Microtydeus sp.	1	.133	.008	59.116					5	.665	.038	295.578	2	.266	.015	118.231	
Lorryia africana																	
Lorryia sp. nov.																	
Paralorryia sp.																	
Nanorchestidae: Speleorchestes sp.	1	.133	.008	59.116													
Nanorchestes sp.																	
Cunaxidae: Cunaxa sp.																	
Cunaxoides sp.																	
Edellidae: Edella sp.																	
Cyta sp.																	
Raphignathidae: Acheles aethiopia																	
Stigmaeidae: Leder Mulleria sp.																	
Leder Mulleria sp.																	
Neophyllobius sp. nov. A																	
Neophyllobius sp. nov. B																	
Pseudoscolecidae: Pseudoscolecus sp.																	
Cheyletidae: Parachelysia sp.																	
Erythraeidae: Smaris biscutatus																	
Leptus sp.																	
Pyemotidae: Pyemophorus sp.					5	.665	.095	295.578									
Tarsonemidae: Tarsonemus sp.	3	.400	.023	177.347													
Scutacaridae: Scutacarus sp.																	
Eupodidae: Eupodes variegatus																	
Eupodes parafusifer																	
Anystidae: Anystes baccharum																	
Cryptognathidae: Cryptognathus cucurbita																	
Pachygnathidae: Binichia sp.																	
Pachygnathus sp.	1	.133	.061	59.116													
Paratydeidae: Scolotydeus sp.																	
Tetranychidae: Erythraeus ovatus																	
MESOSTIGMATA																	
Rhodacaridae: Rhodacarus sublapideus	40	5.326	.294	2364.628	20	2.562	.131	1182.312	19	2.529	.118	1123.196	17	2.262	.268	1004.955	
Digamasellidae: Digamasellus sp.																	
Laelaptidae: Geolaelaps geosulanicus	1	.133	.076	59.116													
Hypoaspis quinquelongisetus	1	.133	.076	59.116													
Phytoseiidae: Amblyseius usitatus																	
Ascidae: Gamasellus sp.																	
Protophormididae: Protophormidus primitivus similis	1	.133	.008	59.116													
Protophormidus sp.																	
Protophormidus brevicornis																	
Lasioseius sp.																	
Pachylaelaptidae: Pachylaelaps sp. nov.					1	.133	.190	59.116									
ORIBATEI																	
Oribatulidae: Scheloribates sp. A	1	.133	.160	177.347	1	.133	.190	59.116	4	.533	.167	236.463	4	.533	.099	236.463	
Schelroribates sp. B	2	.266	.137	118.231					1	.133	.069	59.116	2	.266	.137	118.231	
Liodes sp. A	2	.266	.192	118.231	5	.665	.380	295.578	1	.133	.076	59.116	2	.266	.152	118.231	
Liodes sp. B																	
Plateremaeidae: Plateremaeus sp.																	
Pedrocorticella sp.																	
Passalozetidae: Passalozetes sp.	1	.133	.057	59.116													
Euphthiracaridae: Rhyzotritia sp.																	
Cosmochothonidae: Cosmochothonius sp.																	
Oppiidae: Oppia nova	1	.133	.019	59.116	4	.533	.076	236.463									
Perilohmannidae sp.																	
Epilohmannidae: Epilohmannia sp.																	
Carabodidae sp.																	
ACARIDAE																	
Tyrophagus sp.	5	.665	.308	295.578	10	1.331	.513	591.157	1	.133	.091	177.347	7	.931	.173	413.809	
INSECTA																	
COLLEMBOLA																	
Onychiuridae: Onychiurus camerunensis	161	21.439	21.446	9517.610	13	1.731	.990	758.502	20	2.663	1.522	1182.312	19	2.530	1.446	1123.196	
Isotomidae: Isotomina termophila					63	8.389	8.392	3724.291	113	15.003	19.013	9775.623	149	25.147	25.176	1172.848	
Achorutidae: Brachystomella parvula																	
Entomobryidae: Seira squamornata																	
Entomobrya sp.																	
Sminthuridae: Sphaeridia pumilis																	
DIPLURA																	
Japygidae: Japyx sp.					4	.533	1.522	236.463					3	.400	1.142	177.347	
CORRODENTIA																	
Liposcellidae sp.					1	.133	.076	59.116					1	.133	.076	59.116	
HEMIPTERA																	
Reduviidae sp.																	
Coreidae sp.																	
HOMOPTERA																	
Aphididae: Macrosiphum sp.					2	.266	2.284	118.231									
Coccidae sp.																	
THYSANOPTERA																	
Phlaeothripidae: Phlaeothrips minor																	
Paureothrips reticulatus																	
LEPIDOPTERA																	
Noctuidae: Lanygma exempta	19	2.530	13.016	1182.312													
DIPTERA																	
Cecidomyiidae sp.					1	.133	.951	59.116									
COLEOPTERA																	
Tenebrionidae sp.					1	.133	.685	59.116									
HYMENOPTERA																	
Trichogrammatidae: Trichogramma sp.																	
Formicidae: Pheidole megacephala																	
ARACHNIDA																	
Salticidae sp.																	
Eresidae sp.																	
Linyphiidae sp.																	
DIPLOPODA																	
SPIROSTREPTOMORPHA					1	.133	2.588	59.116									
Spirostreptidae sp.																	
CHILOPODA																	
GEOPHILOMORPHA																	
Geophilidae sp.																	
PATRIPODA																	
Pauropidae: Pauropus sp.																	
TARDIGRADA																	
Macrobiotidae sp.																	
CRUSTACEA																	
COPEPODA																	
Cyclopidae: Mesocyclops sp.																	
	181	24.131	37.050	10699.922	84	11.185	14.215	4965.709	139	18.508	17.926	8217.068	212	28.230	27.840	12532.507	
	229	30.491	37.812	13537.472	116	15.444	15.152	5857.410	155	21.971	18.402	9754.073	241	32.089	28.633	14245.850	

TABLE 40 B : PLOT C

PLOT No. H 336

NUMBERS AND BIOMASS VALUES OF MICROARTHOPODS FOR JANUARY 1966

	STRATIGRAPHICAL LAYERS	1-4 cm.		4-8 cm.		8-12 cm.		12-16 cm.	
		Numb.	Biom. (g)	Numb.	Biom. (g)	Numb.	Biom. (g)	Numb.	Biom. (g)
ACARI									
TROMBIDIFORMES									
Tydeidae: Tydaeus sp.	34	0.0000510	.194	15	0.0000225	.086	14	0.0000210	.080
Picrorhynchus sp.	1	0.0000020	.008				5	0.0000075	.029
Loxosoma africansus							2	0.0000040	.015
Loxosoma sp. nov.									
Loxosoma sp.									
Nanorchestidae: Spelorchestes sp.	1	0.0000020	.008						
Nanorchestes sp.									
Cunaxidae: Cunaxa sp.									
Cunaxoides sp.									
Bdellidae: Bdella sp.									
Cyba sp.									
Raphignathidae: Achilles aethiops									
Stigmaeidae: Lsaurmulleria sp.									
Lsaurmulleria sp.									
Neophyllobius sp. nov. A.									
Neophyllobius sp. nov. B.									
Pseudocheyleidae: Pseudocheylus sp.									
Cheyletidae: Paracheyletia sp.									
Erythraeidae: Smaris biscutatus									
Leptus sp.				5	0.0000250	.095			
Pyemotidae: Pygmephorus sp.							9	0.0000450	.171
Tarsonemidae: Tarsonemus sp.	3	0.0000060	.023						
Scutacaridae: Scutacarus sp.									
Eupodidae: Eupodes variegatus							1	0.0000140	.053
Eupodes parafusifer									
Argasidae: Argas bisacarus									
Cryptognathidae: Cryptognathus cucurbita									
Pachygnathidae: Pachygnathus sp.	1	0.0000160	.061						
Paratydeidae: Scolotydeus sp.									
Lordalychidae: Lordalychus sp.									
Tetranychidae: Frevipalpus obovatus									
MESOSTIGMATA									
Rhodesiidae: Rhodocarus sublipideus	40	0.0000770	.294	20	0.0000475	.181	19	0.0000310	.118
Dugesiidae: Dugesiella sp.									
Laelapidae: Geolaelaps islandicus	1	0.0000200	.076						
Hypaspis quinquelongisetus	1	0.0000200	.076						
Phytoseiidae: Amblyseius usitatus							2	0.0000400	.152
Acari: Camasellus sp.							2	0.0000040	.015
Protogamasellus primitivus similis	1	0.0000020	.008						
Protogamasellus hispidus									
Protogamasellus brevicornis									
Lasioceus sp.									
Pachylaelaptidae: Pachylaelaps sp. nov.	3	0.0000420	.160	1	0.0000500	.190	4	0.0000440	.157
ORIBATEI									
Oribatulidae: Scheloribates sp. A.	2	0.0000360	.137				1	0.0000180	.069
Schoribates sp. B.	2	0.0000400	.152	5	0.0001000	.380	1	0.0000200	.076
Liodidae: Liodes sp. A.									
Liodes sp. B.									
Plateremaeidae: Plateremaeus sp.				1	0.0000050	.019			
Pedrocorticella sp.									
Passalozetidae: Passalozetes sp.									
Euphthraciridae: Rhyzotritia sp.									
Cosmochthonidae: Cosmochthonius sp.									
Oppiidae: Oppia nova	1	0.0000050	.019	4	0.0000200	.076			
Perilohmanniidae sp.							2	0.0000200	.076
Epilohmanniidae: Epilohmannia sp.							1	0.0000120	.046
Carabodidae sp.									
ACARIIDAE									
Acaridae: Tyrophagus sp.	5	0.0000810	.308	10	0.0001250	.475	3	0.0000500	.191
				1	0.0000140	.053			
INSECTA									
CULLENBOLA									
Onychiuridae: Onychiurus camerunensis	161	0.0056130	21.446	13	0.0002600	.990	20	0.0004000	1.522
Isotomidae: Isotomina trimophila				63	0.00022050	8.392	118	0.00041300	15.718
Achorutidae: Brachystomella parvula									
Entomobryidae: Geira suamoornata									
Entomobrya sp.									
Sminthuridae: Sphaeridia pumilis									
DIPYURA									
Japygidae: Japyx sp.				4	0.0004000	1.522			
CORRODENTIA									
Liposcellidae sp.				1	0.0000200	.076			
HOMOPTERA									
Aphididae: Macrosiphum sp.				2	0.0006000	2.284			
LEPIDOPTERA									
Noctuidae: Lapygma exempta	19	0.0034200	13.016						
DIPYURA									
Cecidomyiidae sp.				1	0.0002500	.951			
COLEOPTERA									
Tenebrionidae sp.							1	0.0001800	.685
DIPLOPODA									
SPIROSTREPTOMORPHA									
Spirostreptidae sp.	1	0.0006800	2.588						
	181	0.0097350	37.050	84	0.0037350	14.215	139	0.0047100	17.925
	229	0.0099350	37.812	116	0.0039715	15.114	165	0.0048350	18.401
							241	0.0075335	28.671

TABLE 41 A : FLOT C

PLOT No. H 336

NUMBERS AND BIOMASS VALUES OF MICROARTHROPODS FOR APRIL 1966

	Numb.		Biom.		Numb./m ²		Biom./m ²		Numb./m ²		Biom./m ²		Numb./m ²		Biom./m ²	
	Numb.	Biom.	Numb.	Biom.	Numb.	Biom.	Numb.	Biom.	Numb.	Biom.	Numb.	Biom.	Numb.	Biom.	Numb.	Biom.
ACARI																
TRICHELETHEROFORMES																
Tydeidae: Tydeus sp.																
Microtydeus sp.																
Lorryia africanus																
Lorryia sp.nov.																
Paralorryia sp.																
Mnarchestidae: Psileorchestes sp.	15	27.273	2.336	886.743	9	16.354	1.402	532.040	1	1.818	.156	59.116	2	3.636	.312	118.231
Nanorchestes sp.																
Cunaxidae: Cunaxa sp.																
Cunaxoides sp.																
Edellidae: Edella sp.																
Cyba sp.																
Raphignathidae: Acheles aethiopia																
Stigmaeidae: Ledermulleria sp.																
Ledermulleriopsis sp.																
Neophylloicus sp. nov. A.																
Neophylloicus sp. nov. B.																
Pseudocampylidae: Pseudocampylus sp.																
Cheyletidae: Paracheyletia sp.																
Erythraeidae: Smaris biscutatus																
Leptus sp.																
Pyemotidae: Pyemphorus sp.																
Tarsonemidae: Tarsonemus sp.																
Scutacaridae: Scutacarus sp.																
Eupodidae: Eupodes variegatus																
Eupodes parafusifer																
Anyatidae: Anyates bicarum																
Cryptognathidae: Cryptognathus curvipes																
Pachygnathidae: Rimichealia sp.																
Pachygnathus sp.																
Paratydeidae: Scolotydeus sp.	1	1.818	.935	59.116												
Tetranychidae: Brevipalpus obovatus																
MESOSTIGMATA																
Rhodacaridae: Rhodacarus sublapideus	16	29.091	3.271	945.850	9	16.354	1.402	532.040	1	1.818	.156	59.116	2	3.636	.312	118.231
Digamasellidae: Digamasellus sp.	1	1.818	.156	59.116	1	1.818	.156	59.116								
Laelaptidae: Geolaelaps geolandicus																
Hypospilis quinquelongisetus																
Phytoseiidae: Achlyseus usitatus																
Ascidae: Gamasellodes sp.																
Protogamasellus primitivus similis																
Protogamasellus dispar									1	1.818	.156	59.116				
Protogamasellus brevicornis																
Laelaps sp.																
Pachylaelaptidae: Pachylaelaps sp. nov.																
ORIBATEI																
Oribatulidae: Scheloribates sp. A.	1	1.818	.156	59.116	1	1.818	.156	59.116	1	1.818	.156	59.116				
Scheloriabates sp. B.	1	1.818	1.402	59.116	2	3.636	2.804	118.231	2	3.636	2.804	118.231				
Liodidae: Liodes sp. A.					2	3.636	3.115	118.231								
Liodes sp. B.					2	3.636	3.115	118.231								
Plateremaeidae: Plateremaeus sp.																
Pedrocorticella sp.																
Passalozetidae: Passalozetes sp.																
Euphthiracaridae: Rhyzotritia sp.																
Cosmothronidae: Cosmothronus sp.																
Oppiidae: Oppia nova	1	1.818	.389	59.116	1	1.818	.389	59.116								
Perlohmannidae sp.																
Epilohmannidae: Epilohmannia sp.										1	1.818	.934	59.116			
Garabodidae sp.																
ACARIDAE	2	3.636	0.791	118.231	5	9.091	6.308	295.579	1	1.818	1.738	177.345				
ACARIDAE: Tyrophagus sp.																
INSECTA																
COLLEMBOLA																
Onychiuridae: Onychiurus camerunensis	4	7.273	6.231	235.462	1	1.818	1.558	59.116	3	5.454	4.673	177.345				
Isotomiina: Isotomia termophila					1	1.818	2.726	59.116	2	3.636	5.451	118.231				
Achorutidae: Brachystomella parvula																
Entomobryidae: Seira squamata																
Entomobrya sp.																
Sminthuridae: Sphaeridia pumilis																
DIPYRA																
Japygidae: Japyx sp.					1	1.818	7.788	59.116								
CORRODENTIA																
Liposcellidae sp.																
HEMIPTERA																
Reluviidae sp.																
Isometopidae: Letaea badfordi																
HEMiptERA																
Coccidae: Macrosiphum sp.																
Coccidae sp.	1	1.818	1.168	59.116												
THYSANOPTERA																
Phlaeothripidae: Prothrips minor																
Paurothrips reticulatus																
LEPIDOPTERA																
Lecanidae: Linycta exempta																
LIPIDERA																
Cecidomyiidae sp.																
COLEOPTERA																
Tenebrionidae sp.																
HYMENOPTERA																
Trichogrammatidae: Trichogramma sp.																
Feracidae: Phaeole megacephala																
ARACHNIDA																
ARANEIDA																
Salticidae sp.																
Preslia sp.																
Linyphiidae sp.																
DIPLOPODA																
PIROSTRITOMORPHA																
Spirostreptions sp.													1	1.818	52.959	59.116
CHILOPODA																
Geophilidae sp.																
PAUROPODA																
Fauropidae: Fauropus sp.																
TARDIGRADA																
Macrobiotidae sp.																
CRUSTACEA																
COPPEPODA																
Cyclopidae: Mesocyclops sp.	5	9.091	7.399	295.578	3	5.454	12.072	177.345	5	9.091	10.124	295.57				

TABLE 41 B : PLOT C

PLOT No. H 336

NUMBERS AND BIOMASS VALUES OF MICROARTHROPODS FOR APRIL 1966

		Numb. Biom. (g)		Numb. Biom. (g)		Numb. Biom. (g)		Numb. Biom. (g)	
		Biom. %	Biom. %	Biom. %	Biom. %	Biom. %	Biom. %	Biom. %	Biom. %
STRATIGRAPHICAL LAYERS		1-4 cm.		4-8 cm.		8-12 cm.		12-16 cm.	
ACARI									
TROMBIDIFORMES									
Tydeidae: Tydaeus sp.									
Microtydeus sp.									
Kunzia africana sp.									
Lorria sp. nov.									
Paralorria sp.									
Nanorchestidae: Spelorchestes sp. 15 0.0000300 2.336 9 0.0000180 1.402 1 0.0000020 .156 2 0.0000040 .312									
Nanorchestes sp.									
Cunaxidae: Cunaxa sp.									
Cunaxoides sp.									
Bdellidae: Bdella sp.									
Cyta sp.									
Raphignathidae: Acheles aethiopica									
Stigmaeidae: Ledermulleria sp.									
Ledermulleriopsis sp.									
Neophyllobius sp. nov. A.									
Neophyllobius sp. nov. B.									
Pseudocheylidae: Pseudocheylus sp.									
Cheyletidae: Paracheyletia sp.									
Erythraeidae: Smaris biscutatus									
Leptus sp.									
Pyemotidae: Pygmephorus sp.									
Tarsonemidae: Tarsonemus sp.									
Scutacaridae: Scuticarus sp.									
Eupodidae: Eupodes variegatus									
Eupodes parafusifer									
Anystidae: Anystes haecorum									
Cryptognathidae: Cryptognathus cucurbita									
Pachygnathidae: Eumichthalia sp.									
Pachygnathus sp.									
Paratydeidae: Scolotydeus sp. 1 0.0000120 .935									
Lordalycidae: Lordalycus sp.									
Tetranychidae: Brevipalpus obovatus 16 0.0000420 3.271 9 0.0000180 1.402 1 0.0000020 .156 2 0.0000040 .312									
Brevipalpus sp.									
RHODACARIDA									
Rhodacaridae: Rhodacarus subulpileus 1 0.0000020 .156 1 0.0000020 .156									
Digamasellidae: Digamasellus sp.									
Laelaptidae: Geolaelaps queenslandicus									
Hypoaspis quinquelongisetus									
Phytoseiidae: Amblyseius usitatus									
Ascidae: Gamasellodes sp. 1 0.0000020 .156									
Protogamasellus primitivus similis									
Protogamasellus dispar									
Protogamasellus brevicornis									
Lasioseius sp.									
Pachylaelaptidae: Pachylaelaps sp. nov. 1 0.0000020 .156 1 0.0000020 .156 1 0.0000020 .156									
ORIBATEI									
Cribatulidae: Scheloribates sp. A. 1 0.0000180 1.402 2 0.0000360 2.408									
Scheloribates sp. B. 2 0.0000400 3.115 2 0.0000360 2.408									
Liodidae: Liodes sp. A.									
Liodes sp. B.									
Plateremidae: Plateremaeius sp.									
Pedrocorticella sp.									
Passalozetidae: Passalozetes sp.									
Euphthiracaridae: Rhyzotritia sp.									
Cosmochthoniidae: Cosmochthonius sp.									
Opidae: Opia nova 1 0.0000050 .389 1 0.0000050 .389									
Eriophmanniidae sp.									
Epilohmanniidae: Epilohmannia sp. 1 0.0000120 .934									
Carabodidae sp.									
2 0.0000230 1.791 5 0.0000810 6.308 3 0.0000480 3.738									
ACARIDAE									
Acaridae: Tyrophagus sp.									
INSECTA									
COLLEMBOLA									
Onychiuridae: Onychiurus camerunensis 4 0.0000800 6.231 1 0.0000200 1.557 3 0.0000600 4.673									
Isotomidae: Isotomina terricola 1 0.0000350 2.756 2 0.0000700 5.451									
Achorutidae: Brachystonella parvula									
Entomobryidae: Seira squamoornata									
Entomobrya sp.									
Sminthuridae: Sphaeridia pusillis									
DIPLURA									
Japygidae: Japyx sp. 1 0.0001000 7.788									
HOMOPTERA									
Coccidae sp. 1 0.0000150 1.168									
DIPLOPODA									
SPIROSTREPTOMORPHA									
Spirostreptidae sp. 5 0.0000950 7.399 3 0.0001550 12.072 5 0.0001300 10.124 1 0.0006800 52.959									
Spirostreptidae sp. 1 0.0006800 52.959									
24 0.0001520 12.617 18 0.0002560 19.937 10 0.0001820 14.174 3 0.0006840 53.271									

TABLE 42 B : PLOT D

PLOT No. 117

NUMBERS AND BIOMASS VALUES OF MICROARTHROPODS FOR JULY 1965

		Numb. Biom. (g)		Biom. %		Numb. Biom. (g)		Biom. %		Numb. Biom. (g)		Biom. %	
STRATIGRAPHICAL LAYERS		1-4 cm.		4-8 cm.		8-12 cm.		12-16 cm.					
ACARI													
TROMBIDIFORMES													
Tydeidae: Tydaelus sp.	104	0.0001560	5.100	82	0.0001230	4.021	68	0.0001020	3.334	60	0.0000900	2.942	
Microtydeus sp.	8	0.0000150	.523	2	0.0000040	.131				3	0.0000060	.196	
Leptotydeus africanus													
Loryia sp. nov.													
Paraloryia sp.													
Nanorchestidae: Spalorchestes sp.	6	0.0000120	.392	3	0.0000060	.196	1	0.0000020	.065				
Nanorchestes sp.													
Cunaxidae: Cunaxa sp.													
Cunaxoides sp.													
Bdellidae: Bdella sp.				1	0.0000140	.458	1	0.0000140	.458				
Cyta sp.													
Raphignathidae: Acheles aethiopia							1	0.0000160	.523				
Stigmaeidae: Ledermullerella sp.													
Ledermulleropsis sp.													
Neophyllobius sp. nov. A													
Neophyllobius sp. nov. B													
Pseudocheyleidae: Pseudocheylella sp.													
Cheyletidae: Paracheyletia sp.				1	0.0000020	.065							
Erythraeidae: Smaris discutatus													
Leptus sp.	1	0.0000050	.153				1	0.0000050	.153				
Pyemotidae: Pygmephorus sp.	2	0.0000040	.131				1	0.0000020	.065				
Tarsonemidae: Tarsonemus sp.													
Scutacaridae: Scuticarus sp.													
Eupodidae: Eupodus variegatus													
Eupodus parafusiformis													
Anystidae: Anystes haccorum													
Cryptognathidae: Cryptognathus oicurbita													
Pachygnathidae: Bimihcchia sp.													
Pachygnathus sp.													
Paratydeidae: Sociolydeus sp.													
Lordalychidae: Lordalychus sp.													
Tetranychidae: Brevipalpus obovatus													
NEOTROMBATA	121	0.0001930	6.309	89	0.0001490	4.871	71	0.0001410	4.608	63	0.0000960	3.133	
Rhodacaridae: Rhodacarus sublapideus	2	0.0000040	.131	1	0.0000020	.065	2	0.0000040	.131	4	0.0000080	.262	
Digamastellidae: Digamastellus sp.													
Laelaptidae: Laelaelaps queenslandicus							1	0.0000200	.654	1	0.0000200	.654	
Hyppaspis quinquelongisetus				1	0.0000200	.654	1	0.0000200	.654				
Phytoseiidae: Amblyseius usitatus				2	0.0000400	1.308							
Ascidae: Gamasellodes sp.													
Protogamasellus primitivus similis													
Protogamasellus dispar													
Protogamasellus brevicornis							1	0.0000020	.065				
Lasioseius sp.													
Pachylaelaptidae: Pachylaelaps sp. nov.	2	0.0000040	.131	4	0.0000620	2.027	5	0.0000460	1.508	5	0.0000100	.327	
ORIBATEI													
Oribatulidae: Scheloribates sp. A	5	0.0001080	3.531	13	0.0002340	7.649	8	0.0001440	4.707	5	0.0000900	2.942	
Schelorbates sp. B	2	0.0000400	1.308	1	0.0000200	.654	1	0.0000200	.654				
Liodidae: Liodes sp. A													
Liodes sp. B													
Plateremidae: Plateremius sp.													
Pedrocorticella sp.													
Pascalozetidae: Pascalozetes sp.													
Siphthacaridae: Rhyzotritia sp.													
Cosmochthoniidae: Cosmochthonius sp.													
Copidae: Cypia nova													
Epilohmanniidae sp.													
Epilohmanniidae: Epilohmannia sp.	1	0.0000120	.392										
Carabodidae sp.													
ACARINAE	9	0.0001500	5.231	14	0.0002540	8.303	9	0.0001640	5.361	8	0.0001260	4.119	
Acaridae: Tyrophagus sp.	2	0.0000160	.523	5	0.0000700	2.288	2	0.0000040	.131	2	0.0000160	.523	
INSECTA													
COLLEMBOLA													
Onychiuridae: Onychiurus camerunensis													
Isotomidae: Isotomina terreophila	1	0.0000350	1.144	3	0.0001050	3.432	6	0.0002100	6.865	8	0.0002800	9.153	
Achorutidae: Brachystomella parvula													
Entomobryidae: Seira squamoornata													
Entomobrya sp.													
Leptohuridae: Sphaeridia pumilis													
DIPLURA													
Japygidae: Japyx sp.													
CORRODENTIA													
Liposcellidae sp.	2	0.0000400	1.308	2	0.0000400	1.308							
HEMIPTERA													
Reduviidae sp.							1	0.0004000	13.076				
COLEOPTERA													
Tenebrionidae sp.				1	0.0001800	5.884							
PAUROPODA													
Pauropidae: Pauropus sp.							1	0.0000180	.588				
CRUSTACEA													
COPPODA													
Cyclopidae: Mesocyclops sp.	3	0.0000750	2.452	8	0.0003500	11.605	2	0.0000300	.981	9	0.0004600	15.037	
							10	0.0006580	21.510				
TOTAL	137	0.0004480	14.646	120	0.0008900	29.094	99	0.0010130	33.114	87	0.0007080	23.144	

TABLE 43 A : PLOT D

PLOT No. 117

NUMBERS AND BIOMASS VALUES OF MICROARTHROPODS FOR SEPTEMBER 1965

	1-4 cm.				4-8 cm.				8-12 cm.				12-16cm.			
	Numb.	Numb. / m ²	Biom. / m ²	% Biom. / m ²	Numb.	Numb. / m ²	Biom. / m ²	% Biom. / m ²	Numb.	Numb. / m ²	Biom. / m ²	% Biom. / m ²	Numb.	Numb. / m ²	Biom. / m ²	% Biom. / m ²
ACARI																
TRIMRIDIFORMES																
Tydeidae: Tydeolus sp.	41	17 826	1 995	2423 739	24	10 435	1 168	1418 774								
Microtydeus sp.	23	10 000	1 492	1359 658	5	2 174	324	295 578	2	869	130	118 231	1	435	065	59 116
Lorryia africana																
Lorryia sp. nov.																
Paralorryia sp.																
Nanorchestidae: Speleorchestes sp.					4	1 739	260	236 462					1	435	065	59 116
Nanorchestes sp.																
Cunaxidae: Cunaxa sp.																
Cunaxoides sp.																
Bdellidae: Bdella sp.					1	435	454	59 116								
Cyta sp.																
Raphignathidae: Achies aethiopia																
Stigmaeidae: Lederulleria sp.	1	435	519	59 116												
Lederulleria sp.	1	435	519	59 116												
Neophyllobius sp. nov. A.																
Neophyllobius sp. nov. B.																
Pseudocheyleidae: Pseudocheyleus sp.																
Cheyletidae: Paracheyletia sp.																
Erythraeidae: Smaris biscutatus																
Leptus sp.																
Pyemotidae: Pyemephorus sp.																
Tarsonemidae: Tarsonemus sp.																
Scutacaridae: Scutacarus sp.					1	435	065	59 116	1	435	065	59 116				
Eupodidae: Eupodes variegatus																
Eupodes parafufifer																
Anystidae: Anystes bacorum																
Cryptognathidae: Cryptognathus cucurbita																
Pachygnathidae: Elmichelia sp.																
Pachygnathus sp.																
Paratydeidae: Scolotydeus																
Tetranychidae: Brevipalpus obovatus																
MESOSTIGMATA																
Rhodacaridae: Rhodacarus sublapideus	56	28 696	4 525	3961 629	35	15 218	2 271	2069 046	3	1 304	195	177 347	2	869	130	118 231
Digamasellidae: Digamasellus sp.	1	435	065	59 116	3	1 305	195	177 347	4	1 739	259	236 462	4	1 739	259	236 462
Laelaptidae: Geolaelaps queenslandicus	1	435	649	59 116												
Hypoaspis quinquelongisetus																
Phytoseiidae: Amblyseius usitatus	1	435	649	59 116												
Aecidae: Gamasei lodes sp.																
Protogamasellus primitivus similis																
Protogamasellus dispar									1	435	065	59 116				
Protogamasellus brevicornis																
Lastloseius sp.																
Pachylaelaptidae: Pachylaelaps sp. nov.																
ORIBATEI																
Oribatulidae: Scheloribates sp. A.	13	5 852	7 591	768 562	9	3 913	5 255	532 040	11	4 783	6 423	650 271	8	3 478	4 672	472 924
Schelorbates sp. B.	7	3 043	4 542	413 809	2	869	1 298	118 231	2	869	1 298	118 231	8	3 478	4 672	472 924
Liodes sp. A.																
Liodes sp. B.																
Plateremaeidae: Plateremellus sp.																
Pedrocorticella sp.																
Passalozetidae: Passalozetes sp.																
Euphthiracaridae: Rhyzotritia sp.																
Cosmochthoniidae: Cosmochthonius sp.																
Opidae: Oppia nova	2	870	324	118 231	1	435	162	59 116								
Perilohmanniidae sp.	2	870	974	118 231												
Epilohmanniidae: Epilohmannia sp.	8	3 478	3 114	472 924	4	1 739	1 557	236 462	1	435	389	49 116	5	2 174	2 433	295 578
Caraboidae sp.													1	435	389	59 116
ACARIDIAE																
Acaridae: Tyrophagus sp.	32	13 913	16 545	891 699	15	6 956	8 272	945 849	14	6 087	8 716	827 618	14	6 087	7 494	827 618
INSECTA																
COLLEMBOLA																
Onychiuridae: Onychiurus camerunensis	2	869	1 298	118 231					1	435	649	59 116	4	1 739	2 595	236 462
Isotomidae: Isotomina termophila	6	2 608	6 812	354 693	3	1 305	3 406	177 347	4	1 739	4 542	236 462				
Achorutiidae: Achorutella parvula																
Entomobryidae: Seta squamornata																
Entomobrya sp.																
Sminthuridae: Sphaeridia pumilis																
DIPLURA																
Japygidae: Japyx sp.																
CORRODENTIA																
Liposcellidae sp.																
HEMIPTERA																
Reduviidae sp.																
Isometopidae: Letaba bedfordi																
HOMOPTERA																
Aphididae: Macrosiphum sp.																
Coccidae sp.																
THYSANOPTERA																
Phlaeothripidae: Urothrips minor					2	869	25 953	118 231								
Faurothrips reticulatus																
LEPIDOPTERA																
Noctuidae: Lapygma exempta																
DIPTERA																
Cecidomyiidae sp.																
COLEOPTERA																
Tenebrionidae sp.																
HYMENOPTERA																
Trichogrammatidae: Trichogramma sp.																
Formicidae: Pheidole megaccephala																
ARACHNIDA																
ARANEIDA																
Salticidae sp.																
Eresidae sp.																
Linyphiidae sp.																
DIPLOPODA																
SPIROSTREPTOMORPHA																
Spirostreptidae sp.																
CHILOPODA																
GEOPHILOMORPHA																
Geophilidae sp.																
PAUROPODA																
Fauropidae: Fauropus sp.																
TARDIGRADA																
EUTARDIGRADA																
Macrobiotidae sp.																
CRUSTACEA																
COPEPODA																
Cyclopidae: Mesocyclops sp.	1	435	487	59 116	1	435	487	59 116	5	2 174	5 191	295 578	4	1 739	2 595	236 462
	9	3 912	8 597	532 040	8	2 609	29 846	354 694								
	116	50 414	11 755	6857 408	60	26 088	40 584	1546 936	28	12 174	14 274	1655 237	26	11 303	11 186	1537 005

TABLE 43 B : PLOT D

PLOT No. 117

NUMBERS AND BIOMASS VALUES OF MICROARTHROPODS FOR SEPTEMBER 1965

	Numb. Biom. (g)		Numb. Biom. (g)		Numb. Biom. (g)		Numb. Biom. (g)		Fron. f.	
ACARI	STRATIGRAPHICAL LAYERS		1-4 cm.		4-8 cm.		8-12 cm.		12-16 cm.	
TROMBIDIFORMES										
Tydeidae: Tydaecolus sp.	41	0.0000615	1.995	24	0.0000360	1.168				
Microtydeus sp.	23	0.0000460	1.492	5	0.0000190	.324	2	0.0000040	.130	1 0.0000020 .065
Lorryia africanus										
Lorryia sp. nov.										
Paralorryia sp.				4	0.0000080	.260				1 0.0000020 .065
Nanorchestidae: Spelorchestes sp.										
Nanorchestes sp.										
Cunaxidae: Cunaxa sp.										
Cunaxoides sp.				1	0.0000140	.454				
Bdellidae: Bdella sp.										
Cyta sp.										
Raphignathidae: Scheles aestiopicus										
Stigmaeidae: Ledermulleria sp.	1	0.0000160	.519							
Ledermulleropsis sp.	1	0.0000160	.519							
Neophyllobius sp. nov. A.										
Neophyllobius sp. nov. B.										
Pseudocheylidae: Pseudocheylus sp.										
Cheyletidae: Paracheyletia sp.										
Erythraeidae: Smaris biscutatus										
Leptus sp.										
Pyemotidae: Pygmephorus sp.										
Tarsonemidae: Tarsonemus sp.										
Scutacaridae: Scutacarus sp.				1	0.0000020	.065	1	0.0000020	.065	
Eupodidae: Eupodes variegatus										
Eupodes parafusifer										
Anystidae: Anystes baccharum										
Cryptognathidae: Cryptognathus cucurbita										
Pachygnathidae: Bimichealia sp.										
Pachygnathus sp.										
Paratydeidae: Scolotydeus sp.										
Lordalychidae: Lordalychus sp.										
Tetranychidae: Brevipalpus obovatus										
	56	0.0001395	4.525	35	0.0000700	2.271	3	0.0000060	.195	2 0.0000040 .130
MESOCTIGMATA										
Rhodacaridae: Rhodacarus sublapeus	1	0.0000020	.065	3	0.0000060	.195	4	0.0000080	.259	4 0.0000080 .259
Digamasellidae: Digamasellus sp.										
Laelaptidae: Geolaelaps queenslandicus										
Hypaspis quinquelongisetus	1	0.0000200	.649							
Phytoseiidae: Amblyseius usitatus										
Ascidae: Gamasellodes sp.										
Protoparasitellus primitivus similis							1	0.0000020	.065	
Protoparasitellus dispar										
Protoparasitellus brevicornis										
Lasioseius sp.										
Pachylaelaptidae: Pachylaelaps sp. nov.										
	3	0.0000420	1.361	3	0.0000060	.195	5	0.0000100	.324	4 0.0000080 .259
ORIBATEI										
Oribatulidae: Scheloribates sp. A.										
Schelorbates sp. B.	7	0.0002340	7.591	9	0.0001620	5.255	11	0.0001980	6.423	8 0.0001440 4.672
Liodes sp. A.										
Liodes sp. B.			4.542	2	0.0000400	1.298	2	0.0000400	1.298	
Plateremaeidae: Plateremaeus sp.										
Pedrocorticella sp.										
Passalozetidae: Passalozetes sp.										
Siphthacaridae: Rhyzotritia sp.										
Cosmochthoniidae: Cosmochthonius sp.										
Oppiidae: Oppia nova	2	0.0000100	.324	1	0.0000050	.162				
Perlohmanniidae sp.	1	0.0000150	.487							
Epilohmanniidae: Epilohmannia sp.	8	0.0000960	3.114	4	0.0000480	1.557	1	0.0000120	.389	5 0.0000750 2.433 1 0.0000120 .389
Carabodidae sp.										
	32	0.0005100	16.545	16	0.0002550	8.272	14	0.0002500	8.110	14 0.0002310 7.494
ACARIIAS										
Acaridae: Tyrophagus sp.										
	5	0.0000840	2.725				1	0.0000140	.454	2 0.0000280 .908
INSECTA										
COLLEMBOLA										
Onychiuridae: Onychiurus camerunensis										
Isotomidae: Isotomina terricola	2	0.0000400	1.298				1	0.0000200	.649	4 0.0000800 2.595
Achorutidae: Brachystomella parvula	6	0.0002100	6.812	3	0.0001050	3.406	4	0.0001400	4.542	
Entomobryidae: Seira aquamicornata										
Entomobrya sp.										
Sminthuridae: Sphaeridia pusillis										
DIPLURA										
Janaxidae: Janax sp.										
THYSANOPTERA										
Phlaeothripidae: Urothrips minor										
	2			2	0.0008000	25.953				
CRUSTACEA										
COPEPODA										
Cyclopidae: Mesocyclops sp.										
	1	0.0000150	.487	1	0.0000150	.487				
	9	0.0002650	8.597	6	0.0009200	29.846	5	0.0001600	5.191	4 0.0000800 2.595
	116	0.0010405	33.755	60	0.0012510	40.587	28	0.0004400	14.274	26 0.0003510 11.386

TABLE 44 B : PLOT D

PLOT No. 117

NUMBERS AND BIOMASS VALUES OF MICROARTHROPODS FOR JANUARY 1966

		Numb. Biom. (g)		Biom. %		Numb. Biom. (g)		Biom. %		Numb. Biom. (g)		Biom. %	
STRATIGRAPHICAL LAYERS		1-4 cm.		4-8 cm.		8-12 cm.		12-16 cm.					
ACARI													
TRACHELIPALPUS													
Tydeidae: Tydaecolus sp.	10	0.0000150	.055	12	0.0000180	.066	8	0.0000120	.044	4	0.0000060	.022	
Microtydeus sp.	5	0.0000100	.035	2	0.0000040	.015				1	0.0000020	.007	
Lorryia cf. Lorryia										2	0.0000270	.099	
Lorryia sp. nov.													
Paralorryia sp.													
Nanorchestidae: Spelocorchestes sp.													
Nanorchestes sp.	2	0.0000280	.102										
Cunaxidae: Cunaxa sp.													
Cunaxoides sp.													
Bdellidae: Bdella sp.													
Cyta sp.	2	0.0000360	.132										
Raphignathidae: Acheles aethiopia													
Stigmaeidae: Ledermulleria sp.													
Ledermulleriopsis sp.													
Neophyllobius sp. nov. A.													
Neophyllobius sp. nov. B.													
Pseudocheyleidae: Pseudocheylus sp.													
Cheyletidae: Parachyletia sp.													
Erythraeidae: Smaris biscutatus													
Leptus sp.							1	0.0000050	.013				
Pyemotidae: Pygmephorus sp.													
Tarsonemidae: Tarsonemus sp.													
Scutacaridae: Scuticarus sp.	2	0.0000040	.015							1	0.0000140	.051	
Eupodidae: Eupodes variegatus													
Eupodes parafusifer													
Anystidae: Anystes baccharum													
Cryptognathidae: Cryptognathus cucurbita													
Pachygnathidae: Bimichealia sp.													
Pachygnathus sp.													
Paratydeidae: Scolotydeus sp.													
Lordalychidae: Lordalychus sp.													
Tetranychidae: Brevipalpus obovatus													
	21	0.0000930	.340	14	0.0000220	.081	9	0.0000170	.062	8	0.0000490	.179	
MESOSTIGMATA													
Rhodacaridae: Rhodacarus sublapideus							1	0.0000020	.007				
Digamasellidae: Digamasellus sp.													
Laelaptidae: Goolaeiaps islandicus													
Hyppaspis quinquelongisetus	2	0.0000400	.146										
Phytoseiidae: Amblyseius usitatus	1	0.0000200	.073	1	0.0000200	.073	1	0.0000200	.073	1	0.0000200	.073	
Ascidae: Gamasellodes sp.													
Protogamasellus primitivus similis							2	0.0000040	.015	1	0.0000020	.007	
Protogamasellus dispar													
Protogamasellus brevicornis	1	0.0000020	.007	1	0.0000020	.007	1	0.0000020	.007				
Lasioseius sp.													
Pachylaelaptidae: Pachylaelaps sp. nov.													
	4	0.0000620	.226	4	0.0000260	.095	4	0.0000260	.094	1	0.0000200	.071	
ORIBATEI													
Oribatulidae: Scheloribates sp. A.	1	0.0000180	.066				14	0.0000250	.092	2	0.0000160	.132	
Scheloribates sp. B.	2	0.0000240	.088				2	0.0000240	.088	1	0.0000120	.044	
Liodidae: Liodes sp. A.													
Liodes sp. B.													
Plateremaeidae: Plateremaeus sp.													
Pedrocorticella sp.													
Passalozetidae: Passalozetes sp.													
Euphthiracaridae: Rhyzotritia sp.													
Cosmochthoniidae: Cosmochthonius sp.							1	0.0000050	.018				
Oppiidae: Oppia nova													
Perlohmanniidae sp.													
Epilohmanniidae: Epilohmannia sp.													
Caraboidae sp.													
	3	0.0000420	.154	1	0.0000050	.018	16	0.00002760	.1010	3	0.0000480	.176	
ACARIIAE													
Acaridae: Tyrophagus sp.													
INSECTA													
COLEOPTERA													
Oncyhiuridae: Oncyhiurus camerunensis	43	0.0015050	5.508	119	0.0041650	15.242	182	0.0063700	23.311	77	0.0026950	9.852	
Isotomidae: Isotoma tar ophila	24	0.0004800	1.757	9	0.0001800	.659	11	0.0002200	.805	2	0.0000400	.146	
Achorutidae: Brachystomella parvula	273	0.0081900	29.971	33	0.0009900	3.623	20	0.0006000	2.196	7	0.0002100	.768	
Entomobryidae: Geira squamocornata													
Entomobrya sp.													
Sm'anthuridae: Sphaeridia pusillis													
DIPLURA													
Japygidae: Japyx sp.							1	0.0001300	.366				
CURRODENTIA													
Liposcelidae sp.	4	0.0000800	.293	1	0.0000200	.073							
COLEOPTERA													
Tenebrionidae sp.	1	0.0001800	.659										
HYMENOPTERA													
Formicidae: Pheidole megacephala							1	0.0006000	2.196				
CRUSTACEA													
COPEPODA													
Cyclopidae: Mesocyclops sp.				1	0.0000150	.055							
	345	0.0104350	38.188	163	0.0053700	19.652	215	0.0078900	28.874	86	0.0029450	10.777	
	373	0.0106320	38.908	182	0.0054230	19.846	244	0.0082090	30.040	98	0.0030620	11.205	

PLOT No. 116

TABLE 46 A : PLOT E

NUMBERS AND BIOMASS VALUES OF MICROARTHROPODS FOR JULY 1965

ACARI	STRATIGRAPHICAL LAYERS	1-4 cm.				4-8 cm.				8-12 cm.				12-16cm			
		Numb.	Numb. % Biom. %	Numb./m ²	Numb. % Biom. %	Numb./m ²	Numb.	Numb. % Biom. %	Numb./m ²	Numb.	Numb. % Biom. %	Numb./m ²	Numb.	Numb. % Biom. %	Numb./m ²		
TRIMRIDIFORMES																	
Tydeidae: Tydeolus sp.	28	11.915	2.520	1655.236	34	14.459	3.060	2009.930	31	13.192	2.790	1932.583	46	19.576	4.140	2719.317	
Micropydeus sp.	10	4.256	1.200	591.157	11	4.581	1.320	650.271	1	.425	.300	59.116	2	.851	.240	118.231	
Lorryia africana																	
Lorryia sp. nov.																	
Paralorryia																	
Nanorchestidae: Speleorchestes sp.	4	1.702	.480	236.462	1	.425	.120	59.116									
Nanorchestes sp.																	
Cunaxidae: Cunaxa sp.																	
Cunaxoides sp.																	
Bdellidae: Bdella sp.																	
Cyba sp.																	
Raphignathidae: Acheles aethiopia																	
Stigmaeidae: Ledermulleria sp.																	
Ledermulleriopsis sp.																	
Neophyllobius sp. nov. A.																	
Neophyllobius sp. nov. B.																	
Pseudocheyleidae: Pseudocheylus sp.																	
Cheyletidae: Paracheyletia sp.																	
Erythroidea: Jmaris biscutatus																	
Leptus sp.																	
Pyemotidae: Pygmephorus sp.																	
Tarsonemidae: Tarsonemus sp.					2	.851	.600	118.231	1	.425	.300	59.116	1	.425	.300	59.116	
Scutacaridae: Scutocarus sp.																	
Eupodidae: Eupodes variegatus																	
Eupodes parafusifer																	
Anystidae: Anystes baccharum																	
Cryptognathidae: Cryptognathus cucurbita																	
Pachygnathidae: Bimichea sp.																	
Pachygnathus sp.																	
Paratydeidae: Scolotydeus sp.																	
Tetranychidae: Brevipalpus obovatus																	
MESOSTIGMATA																	
Rhodacaridae: Rhodacarus eulapideus	42	17.873	4.200	2482.855	45	20.425	5.100	2837.548	33	14.042	3.210	1950.815	49	20.852	4.580	2896.554	
Digamasellidae: Digamasellus sp.					1	.425	.120	59.116	1	.425	.120	59.115					
Laelapidae: Geolaelaps geolandicus																	
Hypoaspis quinquelongisetus																	
Phytoseiidae: Amblyseius ustitatus	1	.425	1.200	59.116	1	.425	1.200	59.115	1	.425	1.200	59.116					
Ascidae: Gamasellodes sp.					2	.851	.240	118.231									
Protogamasellus primitivus similis																	
Protogamasellus dispar																	
Protogamasellus brevicornis																	
Lasioseius sp.																	
Pachylaelaptidae: Pachylaelaps sp. nov.																	
ORIBATEI																	
Oribatulidae: Scheloribates sp. A.	2	1.276	1.440	177.347	2	.851	1.200	118.231	3	1.275	1.440	177.347					
Schelorbates sp. B.	1	.425	1.200	118.231	4	1.702	4.320	236.462	1	.425	1.200	59.116					
Liodes sp. A.																	
Liodes sp. B.																	
Plateremaeidae: Plateremaeus sp.																	
Pedrocorticella sp.																	
Passeiozetidae: Passeiozetes sp.																	
Euphthiracaridae: Rhyzotritia sp.																	
Cosmochothonidae: Cosmochothonus sp.																	
Oppiidae: Oppia nova					1	.425	.300	59.116									
Perilohmanniidae sp.													4	1.702	1.200	236.462	
Epilohmanniidae: Epilohmannia sp.	1	.425	.720	59.116	5	2.127	3.600	295.578	3	1.275	2.160	177.347	2	.851	1.440	118.231	
Careboidae sp.																	
ACARIDAE																	
Acaridae: Tyrophagus sp.	4	1.702	4.080	236.462	3	4.579	9.420	550.272	4	1.702	3.360	236.462	6	2.553	2.740	354.693	
INSECTA																	
COLLEMBOLA																	
Onychiuridae: Onychiurus camerunensis	2	.851	2.400	118.231													
Isoetidae: Isoetonia termophila	5	2.127	10.501	295.578	5	2.127	10.501	295.578	7	2.979	14.702	413.809	1	.425	1.200	59.116	
Achorutiidae: Brachystomella parvula													9	3.830	18.902	532.040	
Entomobryidae: Seira squamornata																	
Entomobrya sp.																	
Sminthuridae: Sphaeridia pusilla																	
DIPLURA																	
Japygidae: Japyx sp.																	
CORRODENTIA																	
Liposcellidae sp.																	
HEMIPTERA																	
Reduviidae sp.																	
Isometopidae: Letaba bedfordi																	
HOLOPTERA																	
Aphididae: Macrosiphum sp.																	
Coccidae sp.																	
THYSANOPTERA																	
Phlaeothripidae: Urothrips minor																	
Faureothrips reticulatus																	
LEPIDOPTERA																	
Noctuidae: Lepyga exempta																	
DIPTERA																	
Cecidomyiidae sp.																	
COLEOPTERA																	
Tenebrionidae sp.																	
HYMENOPTERA																	
Trichogrammatidae: Trichogramma sp.																	
Formicidae: Rheidole megacephala																	
ARACHNIDA																	
ARANEIDA																	
Salticidae sp.																	
Eresidae sp.																	
Linyphiidae sp.																	
DIPLOPODA																	
SPIROSTREPTOMORPHA																	
Spirostreptidae sp.																	
CHILOPODA																	
GEOPHILOMORPHA																	
Geophilidae sp.																	
PAUROPODA																	
Pauropidae: Pauropus sp.																	
TARDIGRADA																	
EUTARDIGRADA																	
Macrobiotidae sp.																	
CRUSTACEA																	
COPEPODA																	
Cyclopidae: Mesocyclops sp.									1	.425	.900	59.116					
	7	2.978	2.301	41													

TABLE 46 B : PLOT E

PLOT No. 116

NUMBERS AND BIOMASS VALUES OF MICROARTHROPODS FOR JULY 1965

ACARI	STRATIGRAPHICAL LAYERS	1-4 cm.		4-8 cm.		8-12 cm.		12-16 cm.				
		Numb. Biom. (g)	Biom. %	Numb. Biom. (g)	Biom. %	Numb. Biom. (g)	Biom. %	Numb. Biom. (g)	Biom. %			
TROMBIDIFORMES												
Tydeidae: Tydaecolus sp.	28	0.0000420	2.520	34	0.0000510	3.060	31	0.0000465	2.790	46	0.0000690	4.140
Microtydeus sp.	18	0.0000200	1.200	11	0.0000220	1.320	1	0.0000020	.120	2	0.0000040	.240
Lorryia africanus												
Lorryia sp. nov.												
Paralorryia sp.												
Nanorchestidae: Speleorchestes sp.	4	0.0000080	.480	1	0.0000020	.120						
Nanorchestes sp.												
Cunaxidae: Cunaxa sp.												
Cunaxoides sp.												
Bdellidae: Bdella sp.												
Cyta sp.												
Raphignathidae: Acheles aethiopica												
Stigmaeidae: Ledermulleria sp.												
Ledermulleropsis sp.												
Neophyllobius sp. nov. A.												
Neophyllobius sp. nov. B.												
Pseudocheylidae: Pseudocheylus sp.												
Cheyletidae: Paracheyletia sp.												
Erythraeidae: Smritis biscitatus												
Leptus sp.												
Pyemotidae: Pygmephoris sp.				2	0.0000100	.600	1	0.0000050	.300			
Tarsonemidae: Tarsonemus sp.												
Scutacaridae: Scutacarus sp.												
Eupodidae: Eupodes variegatus												
Eupodes parafusifer												
Anystidae: Anystes baccharum												
Cryptognathidae: Cryptognathus cucurbita												
Pachygnathidae: Bimichealia sp.												
Pachygnathus sp.												
Paratydeidae: Scolotydeus sp.												
Lordalychidae: Lordalychus sp.												
Tetranychidae: Brevipalpus obovatus												
	42	0.0000700	4.200	48	0.0000850	5.100	33	0.0000535	3.210	49	0.0000780	4.680
MESOSTIGMATA												
Rhodacaridae: Rhodacarus sublapis				1	0.0000020	.120	1	0.0000020	.120			
Digamasellidae: Digamasellus sp.												
Laelaptidae: Geolaelaps geenslandicus												
Hyppaspis quinquelongisetus												
Phytoseiidae: Amblyseius usitatus	1	0.0000200	1.200	1	0.0000200	1.200	1	0.0000200	1.200			
Ascidae: Gamasellodes sp.												
Protogamasellus primitivus similis												
Protogamasellus dispar	2	0.0000040	.240				1	0.0000020	.120			
Protogamasellus brevicornis												
Lasioseius sp.												
Pachylaelaptidae: Pachylaelaps sp. nov.	3	0.0000240	1.440	2	0.0000220	1.320	3	0.0000240	1.440			
ORIBATEI												
Oribatulidae: Scheloribates sp. A.	2	0.0000360	2.160	4	0.0000720	4.320						
Schelorbates sp. B.	1	0.0000200	1.200	1	0.0000200	1.200	1	0.0000200	1.200			
Liodidae: Liodes sp. A.												
Liodes sp. B.												
Plateremaeidae: Plateremaeus sp.												
Pedrocorticella sp.												
Passalozetidae: Passalozetes sp.												
Euphthiracaridae: Rhyzotritia sp.												
Cosmochthoniidae: Cosmochthonius sp.												
Oppiidae: Oppia nova				1	0.0000050	.300				4	0.0000200	1.200
Perlohmanniidae sp.												
Epilohmanniidae: Epilohmannia sp.	1	0.0000120	.720	5	0.0000600	3.600	3	0.0000360	2.160	2	0.0000240	1.440
Carabodidae sp.												
	4	0.0000680	4.080	11	0.0001570	9.420	4	0.0000560	3.360	6	0.0000440	2.640
ACARITIAE												
Acaridae: Tyrophagus sp.												
INSECTA												
COLLEMBOLA												
Onychiuridae: Onychiurus camerunensis	2	0.0000400	2.400							1	0.0000200	1.200
Isotomidae: Isotomina ternophila	5	0.0001750	10.501	5	0.0001750	10.501	7	0.0002450	14.702	9	0.0003150	18.902
Achorutidae: Brachystomella parvula												
Entomobryidae: Seira squamocornata												
Entomobrya sp.												
Smintworidae: Sphaeridia pumilis												
DIPLURA												
Japygidae: Japyx sp.												
CRUSTACEA												
COPEPODA												
Cyclopidae: Mesocyclops sp.							1	0.0000150	.900			
	7	0.0002150	12.901	5	0.0001750	10.501	8	0.0002600	15.602	10	0.0003350	20.102
	56	0.0003770	22.621	66	0.0004390	26.341	48	0.0003935	23.612	65	0.0004570	27.422

TABLE 47 A. PLOT E

PLOT No. 116

NUMBERS AND BIOMASS VALUES OF MICROARTHROPODS FOR SEPTEMBER 1965

ACARI	1-4 cm.				4-8 cm.				8-12 cm.				12-16cm.			
	Numb.	Numb.	% Biom.	% Numb./m ²	Numb.	Numb.	% Biom.	% Numb./m ²	Numb.	Numb.	% Biom.	% Numb./m ²	Numb.	Numb.	% Biom.	% Numb./m ²
STRATIGRAPHICAL LAYERS																
MESOSTIGMATA																
Rhodacaridae: Rhodacarus sublapideus	22	34,377	2.156	1100.543	4	6,249	.465	236.462	2	3,125	.232	118.231	4	6,249	.437	236.462
Digamasselidae: Digamasselus sp.					1	1,562	.116	59.116					1	1,562	.116	59.116
Laelaptidae: Geolaelaps geeslandicus																
Hypoaspis quinquelongisetus																
Phytoseiidae: Amblyseius usitatus	1	1,562	1.163	59.116												
Ascidae: Gamasellodes sp.																
Protogamasellus primitivus similis																
Protogamasellus dispar																
Protogamasellus brevicornis																
Lasioseius sp.																
Pachylaelaptidae: Pachylaelaps sp. nov.																
ORIBATEI																
Oribatulidae: Scheloribates sp. A.	1	1,562	1.163	59.116	1	1,562	.116	59.116					1	1,562	.116	59.116
Scheloribates sp. B.																
Liodidae: Liodes sp. A.					1	1,562	1.047	59.116								
Liodes sp. B.																
Plateremacidae: Plateremacius sp.																
Pedrocorticella sp.																
Pascalozetidae: Pascalozetes sp.																
Euphthiracaridae: Rhyctotritia sp.																
Cosmochthonidae: Cosmochthonius sp.																
Oppiidae: Oppia nova	2	3,125	.582	118.231					1	1,562	.291	59.115	4	6,250	1.163	236.462
Perlohmanniidae sp.					4	6,250	2.792	236.462					1	1,562	.698	59.116
Epilohmanniidae: Epilohmannia sp.																
Carabidae sp.																
ACARIDIAE																
Acaridae: Tyrophagus sp.	3	4,687	1.629	177.347	5	7,812	3.839	295.578	2	3,125	.989	118.231	4	6,250	1.163	236.462
INSECTA																
COLLEMBOLA																
Oncyhuriidae: Oncychirus camerunensis	3	4,687	3.490	177.347												
Isotomina termophila	3	4,687	6.108	177.347												
Achorutiidae: Brachystomella parvula					1	1,562	2.036	59.115								
Entomobryidae: Seira squamornata													1	1,562	2.036	59.116
Entomobrya sp.																
Sminthuridae: Sphaeridia pumilis	1	1,562	.233	59.116												
DIPLURA																
Japygidae: Japyx sp.																
CORRODENTIA																
Liposcellidae sp.	1	1,562	1.163	59.116												
HEMIPTERA																
Reduviidae sp.																
Isometopiidae: Letaba bedfordi																
HOMOPTERA																
Achidae: Macrosiphum sp.																
Coccidae sp.																
THYSANOPTERA																
Phlaeothripidae: Urothrips minor					1	1,562	23.269	59.116								
Faureothrips reticulatus																
LEPIDOPTERA																
Noctuidae: Lappya exempta																
DIPTERA																
Cecidomyiidae sp.																
COLEOPTERA																
Tenebrionidae sp.																
HYMENOPTERA																
Trichogrammatidae: Trichogramma sp.																
Formicidae: Pheidole megacephala																
ARACHNIDA																
ARANEIDA																
Salticidae sp.																
Eresidae sp.																
Linyphiidae sp.	1	1,562	45.539	59.115												
DIPLOPODA																
SPIROSTREPTOMORINA																
Spirostreptidae sp.																
CHILPODA																
GEOPHILOMORPHA																
Geophilidae sp.																
FAUROPODA																
Pauropidae: Pauropus sp.																
TARDIGRADA																
Macrobictidae sp.																
CRUSTACEA																
COPEPODA																
Cyclopidae: Mesocyclops sp.	2	3,125	1.745	118.231	3	4,687	.873	177.347					1	1,562	2.036	59.116
	11	17,188	59.275	650.271	3	4,687	26.178	177.347								
	37	57,811	64.426	2187.277	13	20,309	10.598	768.502	4	6,250	1.221	236.462	10	15,623	1.752	591.157

TABLE 47 B : PLOT E

PLOT No. 116

NUMBERS AND BIOMASS VALUES OF MICROARTHROPODS FOR SEPTEMBER 1965

	Numb. Biom. (g)		Biom. %		Numb. Biom. (g)		Biom. %		Numb. Biom. (g)		Biom. %		Numb. Biom. (g)		Biom. %	
	1-4 cm.				4-8 cm.				8-12 cm.				12-16 cm.			
ACARI																
TROMBIDIFORMES																
Tydeidae: Tydaeus sp.	7	0.0000105	.611		1	0.0000020	.116		1	0.0000020	.116		1	0.0000015	.088	
Microtydeus sp.	9	0.0000180	1.047										1	0.0000020	.116	
Lorryia africanus																
Lorryia sp. nov.																
Paralorryia sp.																
Nanorchestidae: Spelorchestes sp.	6	0.0000120	.698		3	0.0000060	.349		1	0.0000020	.116		2	0.0000040	.223	
Nanorchestes sp.																
Cunaxidae: Cunaxa sp.																
Cunaxoides sp.																
Rdellidae: Rdella sp.																
Cyta sp.																
Raphignathidae: Scheles aethiopica																
Stigmaeidae: Lederulleria sp.																
Lederulleriopsis sp.																
Neophyllobius sp. nov. A.																
Neophyllobius sp. nov. B.																
Pseudocheyleidae: Pseudocheylus sp.																
Cheyletidae: Paracheyletia sp.																
Erythraeidae: Smaris biscutatus																
Leptus sp.																
Eyemotidae: Tygmephorus sp.																
Tarsonemidae: Tarsonemus sp.																
Scutacaridae: Scutacarus sp.																
Eupodidae: Eupodes variegatus																
Eupodes parafusifer																
Anystidae: Anystes baccharum																
Cryptognathidae: Cryptognathus cucurbita																
Pachygnathidae: Bimichealia sp.																
Pachygnathus sp.																
Paratydeidae: Scolotydeus sp.																
Lordalychidae: Lordalychus sp.																
Tetranychidae: Brevipalpus obovatus																
	22	0.0000405	2.356		4	0.0000080	.455		2	0.0000040	.232		4	0.0000075	.437	
					1	0.0000020	.116						1	0.0000020	.116	
MESOSTIGMATA																
Rhodacaridae: Rhodacarus sublapis																
Digamasellidae: Digamasellus sp.																
Laelaptidae: Geolaelaps jeenslandicus																
Hyppaspis quinquelongisetus																
Phytoseiidae: Anhyseius usitatus	1	0.0000200	1.163													
Ascidae: Gamasellodes sp.																
Protogamasellus primitivus similis																
Protogamasellus dispar																
Protogamasellus brevicornis																
Lasioseius sp.																
Pachylaelaptidae: Pachylaelaps sp. nov.	1	0.0000200	1.163		1	0.0000020	.116						1	0.0000020	.116	
ORIBATEI																
Oribatulidae: Scheloribates sp. A.	1	0.0000180	1.047		1	0.0000180	1.047									
Schelorbates sp. B.																
Liodes: Liodes sp. A.																
Liodes sp. B.																
Plateremaeidae: Plateremaeus sp.																
Pedrocorticella sp.																
Passalozetidae: Passalozetes sp.																
Euphthiracaridae: Rhyzotritia sp.																
Cosmochthoniidae: Cosmochthonius sp.																
Oppiidae: Oppia nova	2	0.0000100	.582						1	0.0000050	.291		4	0.0000200	1.163	
Perlohmanniidae sp.																
Epilohmanniidae: Epilohmannia sp.					4	0.0000480	2.792		1	0.0000120	.698					
Carabodidae sp.																
	3	0.0000280	1.629		5	0.0000660	3.839		2	0.0000170	.989		4	0.0000200	1.163	
ACARIIAE																
Acaridae: Tyrophagus sp.																
INSECTA																
COLLEMBOLA																
Orychiuridae: Orychiurus camerunensis	3	0.0000600	3.490										1	0.0000350	2.036	
Isotomidae: Isotomina termophila	3	0.0001050	6.108		1	0.0000350	2.036									
Achorutidae: Brachystomella parvula																
Entomobryidae: Ceira squamocornata																
Entomobrya sp.																
Sminthuridae: Sphaeridia pumilis	1	0.0000040	.233													
DIPLURA																
Japygidae: Japyx sp.																
CORRODENTIA																
Liposcellidae sp.	1	0.0000200	1.163													
THYSANOPTERA																
Phlaeothripidae: Urothrips minor					1	0.0004000	23.269									
ARACHNIDA																
ARANEIDA																
Linyphiidae sp.	1	0.0008000	46.539													
CRUSTACEA																
COPEPODA																
Cyclopidae: Mesocyclops sp.	2	0.0000300	1.745		1	0.0000150	.873									
	11	0.0010190	59.278		3	0.0004500	26.178						1	0.0000350	2.036	
	37	0.0011075	64.421		13	0.0005260	30.598		4	0.0000210	1.221		10	0.0000645	3.752	

TABLE 48 B : PLOT E

PLOT No. 116

NUMBERS AND BIOMASS VALUES OF MICROARTHROPODS FOR JANUARY 1966

	Numb. Biom. (g)		Biom. %		Numb. Biom. (g)		Biom. %		Numb. Biom. (g)		Biom. %				
	1-4 cm.				4-8 cm.				8-12 cm.				12-16 cm.		
ACARI	STRATIGRAPHICAL LAYERS														
TROCHIDIFORMES															
Tydeidae: Tydaeus sp.	19	0.0000285	.052		11	0.0000165	.030		7	0.0000105	.019		7	0.0000105	.019
Microtydeus sp.	2	0.0000040	.007										1	0.0000020	.004
Lorryia africana															
Lorryia sp. nov.															
Paralorryia sp.															
Nanorchestidae: Speleorchestes sp.															
Nanorchestes sp.															
Cunaxidae: Cunaxa sp.															
Cunaxoides sp.															
Bdellidae: Bdella sp.															
Cyta sp.															
Raphignathidae: Acheles aethiopia															
Stigmaeidae: Ledermulleria sp.															
Ledermulleriopsis sp.															
Neophyllobius sp. nov. A.															
Neophyllobius sp. nov. B.															
Pseudocheylidae: Pseudocheylus sp.															
Cheyletidae: Paracheyletia sp.															
Erythraeidae: Smaris biscutatus															
Leptus sp.															
Eyemotidae: Pygmephorus sp.	1	0.0000050	.009		1	0.0000050	.009		3	0.0000150	.027				
Tarsonemidae: Tarsonemus sp.															
Scutacaridae: Scutacarus sp.															
Eupodidae: Eupodes variegatus															
Eupodes parafusifer															
Anystidae: Anystes baccharum															
Cryptognathidae: Cryptognathus cucurbita															
Pachygnathidae: Bimichealia sp.															
Pachygnathus sp.															
Paratydeidae: Scolotydeus sp.															
Lordalychidae: Lordalychus sp.															
Tetranychidae: Brevipalpus obovatus															
MESOSTIGMATA	22	0.0000375	.068		12	0.0000215	.039		10	0.0000255	.045		8	0.0000125	.023
Rhodacaridae: Rhodacarus sublappideus					1	0.0000020	.004								
Digamaseiidae: Digamaseiellus sp.															
Laelaptidae: Geolaelaps queenslandicus									2	0.0000400	.073				
Hyaspis quinquelongisetus															
Phytoseiidae: Amblyseius usitatus															
Ascidae: Gamaseiellodes sp.					1	0.0000020	.004		4	0.0000080	.015				
Protogamaseiellus primitivus similis					1	0.0000020	.004						1	0.0000020	.004
Protogamaseiellus dispar															
Protogamaseiellus brevicornis															
Lasioseius sp.															
Pachylaelaptidae: Pachylaelaps sp. nov.					3	0.0000060	.012		6	0.0000480	.088		1	0.0000020	.004
ORIBATEI															
Oribatulidae: Scheloribates sp. A.					1	0.0000180	.033		2	0.0000360	.066		2	0.0000360	.066
Schelorbates sp. B.	1	0.0000200	.036		2	0.0000400	.073								
Liodidae: Liodes sp. A.															
Liodes sp. B.															
Plateremaeidae: Plateremaeius sp.															
Pedrocorticella sp.															
Passalozetidae: Passalozetes sp.															
Euphthiracaridae: Rhyzotritia sp.															
Cosmochthoniidae: Cosmochthonius sp.															
Oppidae: Oppia nova	1	0.0000050	.009						1	0.0000050	.009		2	0.0000100	.018
Perlohmanniidae sp.									1	0.0000150	.027		1	0.0000150	.027
Epilohmanniidae: Epilohmannia sp.									5	0.0000600	.110		6	0.0000720	.132
Carabodidae sp.									1	0.0000150	.027				
ACARIDIAE	2	0.0000250	.045		3	0.0000580	.106		10	0.0001310	.239		11	0.0001330	.243
Acaridae: Tyrophagus sp.															
INSECTA															
COLLEMBOLA															
Onychiuridae: Onychiurus camerunensis	6	0.0001200	.220		10	0.0002000	.366		2	0.0000400	.073		4	0.0000800	.146
Isotomidae: Isotomina terraphila	200	0.0070000	12.810		515	0.0180250	32.986		485	0.0169750	31.064		291	0.0101850	18.639
Achorutiidae: Brachystomella parvula															
Entomobryidae: Seira squamicornata															
Entomobrya sp.															
Sminthuridae: Sphaeridia pumilis															
DIPLURA															
Japygidae: Japyx sp.															
CORRODENTIA															
Liposceiellidae sp.	1	0.0000200	.036		1	0.0000200	.036								
THYSANOPTERA															
Phlaeothripidae: Urothrips minor	1	0.0004000	.732												
HOMOPTERA															
Aphididae: Macrosiphum sp.	1	0.0003000	.549		1	0.0003000	.549								
COLEOPTERA															
Tenebrionidae sp.	2	0.0004800	.878												
	211	0.0083200	15.225		527	0.0185450	33.937		487	0.0170150	31.137		295	0.0102650	18.785
	235	0.0083825	15.338		545	0.0186305	34.094		513	0.0172195	31.510		315	0.0104125	19.055

TABLE 49 A : PLOT 3

PLOT No. 116

NUMBERS AND BIOMASS VALUES OF MICROARTHROPODS FOR APRIL 1966

ACARI	STRATIGRAPHICAL LAYERS	1-4 cm.				4-8 cm.				8-12 cm.				12-16cm.			
		Numb.	Biom.	Numb./m ²	Biom./m ²	Numb.	Biom.	Numb./m ²	Biom./m ²	Numb.	Biom.	Numb./m ²	Biom./m ²	Numb.	Biom.	Numb./m ²	Biom./m ²
TRIMRIDIFORMES																	
Tydeidae: Tydeolus sp.	2	.319	.016	118.231	1	.159	.008	59.116	1	.159	.008	59.116	2	.319	.021	118.231	
Microtydeus sp.	10	1.595	.107	591.156									1	.159	.072	59.116	
Lorryia sp. nov.	1	.159	.072	59.116	5	.798	.361	295.578	4	.638	.288	236.462					
Paralorryia sp.																	
Nanorchestidae: Speleorchestes sp.	1	.159	.011	59.116	2	.319	.021	118.231					1	.159	.011	59.116	
Nanorchestes sp.																	
Cunaxidae: Cunaxa sp.																	
Cunaxoides sp.																	
Bdellidae: Bdella sp.																	
Cyta sp.																	
Raphignathidae: Acheles aethiopica																	
Stigmaeidae: Ledererulloria sp.																	
Ledererulloripia sp.																	
Neophyllobius sp. nov. A.																	
Neophyllobius sp. nov. B.																	
Pseudocheyleidae: Pseudocheyleus sp.																	
Cheyletidae: Paracheyletia sp.																	
Erythraeidae: Saarias biscutatus																	
Leptus sp.																	
Pyemotidae: Pyemophorus sp.	3	.478	.080	177.346	5	.798	.134	295.578									
Tarsonemidae: Tarsonemus sp.																	
Scutacaridae: Scutacarus sp.																	
Eupodidae: Eupodes variegatus																	
Eupodes parafusifer																	
Anystidae: Anystes baccharum																	
Cryptognathidae: Cryptognathus cucurbita																	
Pachygnathidae: Binichaulia sp.																	
Pachygnathus sp.																	
Paratydeidae: Scolotydeus sp.																	
Tetranychidae: Brevipalpus obovatus																	
MEOSOTIGMATA																	
Rhodacaridae: Rhodacarus sublapideus	17	2.710	.286	1004.965	13	2.074	.524	768.503	5	.798	.296	295.578	4	.638	.104	236.462	
Digamasellidae: Digamasellus sp.																	
Laelaptidae: Geolaelaps geenlandicus																	
Hypoaspis quinquelongisetus	4	.638	.428	236.462	1	.159	.107	59.116									
Phytoseiidae: Amblyseius usitatus																	
Aecidae: Gamasellodes sp.																	
Protogamasellus primitivus similis					1	.159	.011	59.116	3	.478	.032	177.347	2	.319	.021	118.231	
Protogamasellus dispar																	
Protogamasellus brevicornis																	
Lasioseius sp.													1	.159	.011	59.116	
Pachylaelaptidae: Pachylaelaps sp. nov.																	
ORIBATEI																	
Oribatulidae: Scheloribates sp. A.	4	.638	.428	236.462	2	.319	.118	118.231	7	1.115	.075	413.810	3	.478	.032	177.347	
Scheloriabates sp. B.	25	3.988	2.406	1477.890	25	3.988	2.406	1477.890	8	1.276	.770	472.924	15	2.392	1.443	886.734	
Liodes sp. A.					1	.159	.107	59.116									
Liodes sp. B.																	
Plateremaeidae: Plateremaeus sp.																	
Pedrocorticella sp.																	
Passalozetidae: Passalozetes sp.																	
Euphthiracaridae: Rhyzotritia sp.																	
Cosmochothoniidae: Cosmochothonius sp.																	
Opidae: Oppia nova																	
Perilohmanniidae sp.	2	.319	.160	118.231	2	.319	.160	118.231									
Epilohmanniidae: Epilohmannia sp.	7	.116	.449	413.809	2	.319	.128	118.231	4	.638	.256	236.462	3	.478	.192	177.347	
Caraboidae sp.																	
ACARIDAE																	
Acaridae: Tyrophagus sp.	14	2.423	1.015	2009.930	10	4.785	2.801	1773.458	12	3.914	1.026	709.385	18	2.871	1.635	1064.081	
INSECTA																	
COLLEMBOLA																	
Onychiuridae: Onychiurus camerunensis	9	1.435	.962	532.040	18	2.871	1.924	1064.080	7	1.115	.748	413.809	7	1.115	.748	413.809	
Isotomidae: Isotomina terrophila	74	11.802	13.845	4374.554	206	32.856	38.541	12177.813	94	14.993	17.587	5556.866	51	8.135	9.542	3014.895	
Achorutiidae: Brachystomella parvula	4	.638	.641	236.462									4	.638	.642	236.463	
Entomobryidae: Seta aquicornata																	
Entomobrya sp.																	
Sminthuridae: Sphaeridia pusillus																	
DIPLURA																	
Japygidae: Japyx sp.																	
CORREMBENTIA																	
Liposcellidae sp.	1	.159	.107	59.116													
HEMIPTERA																	
Retuviidae sp.													1	.159	2.138	59.116	
Isometopidae: Letaba bedfordi																	
HOLOPTERA																	
Apididae: Macrosiphum sp.																	
Coccidae sp.																	
THYSANOPTERA																	
Phlaeothripidae: Prothrips minor									1	.159	2.138	59.116					
Faureothrips reticulatus																	
LEPIDOPTERA																	
Noctuidae: Lapygma exempta																	
DIPTERA																	
Cecidomyiidae sp.																	
COLEOPTERA																	
Tenebrionidae sp.																	
HYMENOPTERA																	
Trichogrammatidae: Trichogramma sp.																	
Formicidae: Pheidole megacephala																	
ARACHNIDA																	
ARANEIDA																	
Salticidae sp. nova																	
Eresidae sp.																	
Linyphiidae sp.																	
DIPLOPODA																	
SPIROSTREPTOMORPHA																	
Spirostreptidae sp.																	
CHILOPODA																	
GEOPHILOMORPHA																	
Geophilidae sp.																	
PAUROPODA																	
Pauropidae: Pauropus sp.					1	.159	.096	59.116									
TARDIGRADA																	
EUTARDIGRADA																	
Macrobiotidae sp.																	
CRUSTACEA																	
COPEPODA																	
Cyclopidae: Mesocyclops sp.	88	14.034	15.555	5202.172	225												

TABLE 49 B : PLOT E

PLOT No. 116

NUMBERS AND BIOMASS VALUES OF MICROARTHROPODS FOR APRIL 1966

	Numb. Biom. (g)		Numb. Biom. (g)		Numb. Biom. (g)		Numb. Biom. (g)		
	Biom. %	Biom. %	Biom. %	Biom. %	Biom. %	Biom. %	Biom. %	Biom. %	
STRATIGRAPHICAL LAYERS	1-4 cm.		4-8 cm.		8-12 cm.		12-16 cm.		
ACARI									
TROMBIDIFORMES									
Tydeidae: Tydeolus sp.	2	0.000030	.016	1	0.000015	.008	1	0.000015	.008
Microtydeus sp.	10	0.000200	.107						
Lorryia africana sp.	1	0.0000135	.072	5	0.0000675	.361	4	0.0000540	.288
Lorryia sp. nov.									
Paralorryia sp.									
Nanorchestidae: Spileorchestes sp.	1	0.0000020	.011	2	0.0000040	.021			
Nanorchestes sp.							1	0.0000020	.011
Cunaxidae: Cunaxa sp.									
Cunaxoides sp.									
Bdellidae: Bdella sp.									
Cyta sp.									
Raphignathidae: Acheles aethiopia									
Stigmaeidae: Ledermulleria sp.									
Ledermulleriopsis sp.									
Neophyllobius sp. nov. A.									
Neophyllobius sp. nov. B.									
Pseudocheyleidae: Pseudocheyleus sp.									
Charletidae: Paracheyletia sp.									
Erythraeidae: Smaris biscutatus									
Lertus sp.									
Pyemotidae: Pygmephorus sp.	3	0.0000150	.080	5	0.0000250	.134			
Tarsonemidae: Tarsonemus sp.									
Scutacaridae: Scutacarus sp.									
Eupodidae: Eupodes variegatus									
Eupodes parafusifer									
Anystidae: Anystes bicolorum									
Cryptognathidae: Cryptognathus cucurbita									
Pachygnathidae: Eimichealia sp.									
Pachygnathus sp.									
Paratydeidae: Scolotydeus sp.									
Lordalychidae: Lordalychus sp.									
Tetranychidae: Brevipalpus obovatus									
MESOSTIGMATA	17	0.0000535	.286	13	0.0000980	.524	5	0.0000555	.296
Rhodacaridae: Rhodacarus sublapideus							1	0.0000020	.011
Digamasellidae: Digamasellus sp.									
Laelaptidae: Geolaelaps geenslandicus	4	0.0000800	.428	1	0.0000200	.107			
Hypaspis quinquelongisetus									
Phytoseiidae: Amblyseius usitatus									
Ascidae: Gamasellodes sp.									
Protogamasellus primitivus similis				1	0.0000020	.011	3	0.0000060	.032
Protogamasellus dispar							2	0.0000040	.021
Protogamasellus brevicornis							3	0.0000060	.032
Lasioseius sp.							1	0.0000020	.011
Pachylaelaptidae: Pachylaelaps sp. nov.	4	0.0000800	.428	2	0.0000220	.118	7	0.0000140	.075
ORIBATEI	25	0.0004500	2.406	25	0.0004500	2.406	8	0.0001440	.770
Oribatulidae: Scheloribates sp. A.				1	0.0000200	.107			
Schelorbates sp. B.							15	0.0002700	1.443
Liodidae: Liodes sp. A.									
Liodes sp. B.									
Plateremaeidae: Plateremaeus sp.									
Pedrocorticella sp.									
Passalozetidae: Passalozetes sp.									
Euphthiracaridae: Rhyzotritia sp.									
Cosmochthoniidae: Cosmochthonius sp.									
Opilidae: Oppia nova									
Perlohmanniidae sp.	2	0.0000300	.160	2	0.0000300	.160			
Epilohmanniidae: Epilohmannia sp.	7	0.0000840	.449	2	0.0000240	.128	4	0.0000480	.256
Carabodidae sp.							3	0.0000360	.192
ACARIDIAE	34	0.0005640	3.015	30	0.0005240	2.801	12	0.0001920	1.026
Acaridae: Tyrophagus sp.							18	0.0003060	1.635
INSECTA									
COLLEMBOLA									
Onychiuridae: Onychiurus camerunensis	9	0.0001800	.962	18	0.0003600	1.924	7	0.0001400	.748
Isotomidae: Isotomina termophila	74	0.0025900	13.845	206	0.0072100	38.541	94	0.0032900	17.587
Achorutidae: Brachystomella parvula	4	0.0001200	.641				4	0.0001200	.642
Entomobryidae: Seira squamicornata									
Entomobrya sp.									
Sminthuridae: Sphaeridia pumilis									
DIPLURA									
Japygidae: Japyx sp.									
CORRODENTIA									
Liposcellidae sp.	1	0.0000200	.107						
THYSANOPTERA									
Phlaeothripidae: Urothrips minor							1	0.0004000	2.138
HEMIPTERA									
Reduviidae sp.							1	0.0004000	2.138
PAUROPODA									
Pauropidae: Pauropus sp.				1	0.0000180	.096			
	88	0.0029100	15.555	225	0.0075880	40.561	102	0.0038300	20.474
	143	0.0036075	19.284	270	0.0082320	44.004	126	0.0040915	21.871
							88	0.0027765	14.841

NUMBERS AND BIOSAS VALUES OF MICROARTHROPODS

ACCEL	EXTRACTION APPARATUS EMPLOYED		TOTAL		JAN 1965		SEPTEMBER 1965		JANUARY 1966		APRIL 1966		
	Funnel	Blow	Funnel	Blow	Funnel	Blow	Funnel	Blow	Funnel	Blow	Funnel	Blow	
FUNNEL DROPPETS	944	-0015370	28-135	1-194	7	-0000345	306	076	296	-0004960	36	-0003460	
Trichia	622	-0012440	27-112	1-164	13	-0000260	167	020	35	-0000720	191	-0003620	
Microgaster	99	-0013980	4-125	-1-055	4	-0000040	4	000	4	-0000560	87	-0001280	
Belitella	78	-0010020	3-406	0-831	1	-0000140	-0-111	1	-0000140	1	-0000140	1	-0000140
Phaenocarpa	41	-0007290	1-731	-5-611									
Stenomacrus	11	-0001940	-4-811	-13-131									
Coniella	12	-0001800	-5-24	-13-137									
Pyrochroa	6	-0002720	-2-762	-0-099									
Erythrina	46	-0019400	2-010	-1-388									
Promethes	13	-0000650	-5-68	-0-949									
Teromachia	12	-0000340	-5-24	-0-118									
Scutigerella	4	-0000090	-1-151	-0-066									
Enallagma	3	-0000420	-1-111	-0-272									
Anoplia	5	-0000100	-2-18	-0-716									
Chironomidae	3	-0000450	-1-131	-0-24									
Leptochironomidae	2	-0000040	-0-87	-0-033									
Pedophilus	9	-0001940	-3-93	-1-110									
MEGASTIGMATA	1610	-0098400	70-238	6-596	25	-0001385	-1-022	-1-05	370	-0010080	1	-0000140	
Rhodanthe	12	-0000720	-5-24	-0-95	1	-0000020	-0-44	-0-02	1	-0000020	9	-0000240	
Leptanthe	6	-0001200	-2-72	-0-91	1	-0000200	-0-44	-0-15	2	-0000400	2	-0000400	
Physella	1	-0000200	-0-44	-0-15									
Actina	5	-0000100	-2-18	-0-07									
ACARIFORMES	19	-0002720	-8-27	-1-81	7	-0000320	-3-06	-0-24	1	-0000020	11	-0000740	
Aceria	7	-0000860	-3-06	-0-95									
ORIBATEI													
Oribatida	22	-0004120	-9-61	-3-13	34	-0006240	-1-86	-4-74	5	-0000980	11	-0002840	
Liodora	23	-0003450	-1-005	-2-62									
Platysma	49	-0022750	2-141	-1-728	23	-0001800	-1-005	-2-89	14	-0002100	3	-0002450	
Fassalia	52	-0007800	2-272	-1-98									
Cassiphora	12	-0000800	-5-24	-0-46									
Eighteenia	2	-0002000	-0-87	-1-52	1	-0001000	-0-44	-0-76	1	-0000500	10	-0000500	
Ferretanella	16	-0002400	-6-99	-1-82	5	-0000750	-2-18	-0-76	8	-0001200	7	-0001050	
Larva unknown	6	-0000180	-2-62	-0-12									
INSECTA	182	-0038100	7-561	2-895	55	-0018900	2-840	-0-84	90	-0007380	32	-0009980	
COLEOPTERA													
Dytiscidae	21	-0008600	-1-18	-0-61	22	-0004440	-9-61	-3-24	5	-0001750	2	-0000400	
Erdosia	9	-0001940	-3-93	-1-08	9	-0003150	-3-93	-2-39	7	-0002550	9	-0003150	
Sarcophagidae	6	-0002740	-2-62	-0-18									
DIPYPTERA	5	-0000900	-2-18	-0-80	8	-0008000	-3-50	-0-68	3	-0003000	7	-0007000	
Jaysia	82	-0019400	3-582	-1-246	1	-0000200	-0-44	-0-15	6	-0001200	8	-0001600	
HEMIPTERA	1	-0004000	-0-44	-0-24	1	-0004000	-0-44	-0-24					
Reduviidae	4	-0000800	-1-18	-0-46									
Coccidae	19	-0008000	-8-20	-5-775	2	-0008000	-0-87	-0-69	4	-0016000	1	-0004000	
Phaenocarpa	4	-0009500	-1-18	-0-722	1	-0002500	-0-44	-1-90	3	-0004000	1	-0002500	
Coccophoridae	26	-0004800	-1-136	-3-556	5	-0011400	-2-18	-0-66	7	-0013800	8	-0014400	
HEMICOPTERA	1	-0002500	-0-44	-1-90									
Tricogrammatidae	5	-0003000	-2-18	-2-80	3	-0018000	-1-31	-1-388	2	-0012000	2	-0012000	
Ferretanella	2	-0018000	-0-87	-1-216									
Salticidae	2	-0018000	-0-87	-1-216									
ARACHNIDA	84	-0571200	3-070	43-405	40	-0272000	-1-247	20-669	2	-0013800	31	-0210800	
SPINICHOETIDAE	1	-0000180	-0-44	-0-14	2	-0028000	-0-87	-2-984					
Geopliidae	1	-0000180	-0-44	-0-14	1	-0000180	-0-44	-0-14					
PALEOPTERA	3	-0000060	-1-131	-0-05									
Microplitis	278	-0864070	12-188	61-011	95	-0308300	4-150	28-178	76	-0080750	9	-0035350	
2087	-0931550	91-612	70-788	182	-039425	8-382	28-212	477	30	-0038350	385	-0509800	
2087	-0931550	91-612	70-788	182	-039425	8-382	28-212	477	30	-0038350	385	-0509800	
2087	-0931550	91-612	70-788	182	-039425	8-382	28-212	477	30	-0038350	385	-0509800	

TABLE 51 : PLOT B

PLOT No. 1111	NUMBERS AND BIOMASS VALUES OF MICROARTHROPODS																										
	EXTRACTION APPARATUS EMPLOYED		TOTAL								JULY 1965				SEPTEMBER 1965				JANUARY 1966				APRIL 1966				
			FUNNEL				GREASE FILM				FUNNEL		GREASE FILM		FUNNEL		GREASE FILM		FUNNEL		GREASE FILM		FUNNEL		GREASE FILM		
		Num.	Bios.	Num.	Bios.	Num.	Bios.	Num.	Bios.	Num.	Bios.	Num.	Bios.	Num.	Bios.	Num.	Bios.	Num.	Bios.	Num.	Bios.	Num.	Bios.	Num.	Bios.		
ACARI																											
TRONCHIDIFORMES																											
Tydeidae	520	0008900	27.268	2.711	5	0000440	-.262	-.134	331	0005156	2	0000025	30	0000810	1	0000125	156	0002680	1	0000135	3	0000055	1	0000125			
Nanorchestidae	47	0000940	2.485	-.286	1	0000020	-.052	-.006	43	0000860	1	0000020					1	0000020			3	0000080					
Cunaxidae	1	0000140	-.052	-.043									1	0000140													
Pyemotidae	407	0002350	21.342	6.199	18	0000900	-.944	-.274	60	0003000	17	0000850	15	0000750			329	0016450	1	0000150							
Tarsonemidae	1	0000020	-.052	-.006													1	0000020									
Scutacaridae	22	0000440	1.154	-.134					2	0000040			2	0000040			6	0000120			12	0000240					
Eupodidae	3	0000420	-.158	-.128													2	0000280									
Pachygnathidae	13	0002080	-.682	-.634					3	0000480			3	0000480			2	0000320			5	0000800					
Paratydeidae	2	0000240	-.105	-.013					2	0000240																	
Tetranychidae	1	0000140	-.052	-.043																	1	0000140					
MESOSTIGMATA																											
Rhodacaridae	5	0000420	-.262	-.128	24	0001360	1.258	.414	441	0009775	20	0000905	52	0002360	1	0000135	497	0020090	2	0000185	27	0001445	1	0000125			
Acidae	33	0005880	1.731	1.791	7	0000320	-.267	-.097			1	0000020	2	0000040			26	0005200	6	0000300	5	0000640					
Laelapidae	10	0002000	-.524	-.609	5	0001000	-.262	-.305					4	0000400			5	0001000			3	0000900	1	0000200			
Phytoseiidae	16	0003200	-.839	-.975													16	0003200									
Pachylaelactidae	17	0008500	-.892	2.590																	17	0008500					
ACARIDIAE																											
Acaridae	81	0020000	4.248	6.093	12	0001320	-.629	-.402	2	0000200	1	0000020	5	0000480	4	0000800	47	0009400	6	0000300	27	0008940	1	0000200			
ORIBATEI																											
Oribatulidae	152	0028680	7.971	8.737	220	0042780	11.536	13.033	14	0000740	4	0000740	17	0003320	13	0002360	26	0004980	158	0030960	95	0017620	45	0008720			
Lifodidae	7	0000950	367	290	1	0000140	-.052	-.043					1	0000150	1	0000140	6	0000900									
Plataneaeidae	4	0000400	210	122	2	0000300	-.105	-.091			2	0000300	2	0000100							2	0000300					
Passelezettidae	10	0000500	524	152	14	0000700	-.734	-.213									10	0000500	14	0000700							
Opplidae	13	0000650	682	198	11	0000550	-.577	-.168	3	0000150	1	0000050					9	0000450	5	0000250	1	0000050	5	0000250			
Perlohaenidae	3	0000450	157	137	2	0000300	-.105	-.091	1	0000150	1	0000150									2	0000300	1	0000150			
INSECTA																											
COLLEMBOLA																											
Oncychiuridae	11	0002200	-.577	-.670	26	0005200	1.364	1.584	3	0000600	1	0000200	8	0001600	19	0003800			1	0000200			5	0000100			
Isotomidae	55	0019250	2.884	5.865	200	0070000	10.488	21.325	18	0006300			2	0000700	4	0001400	33	0011550	194	0067900	2	0000700	2	0000700			
Achorutidae	2	0000600	-.105	-.183																							
HEMIPTERA																											
Reduviidae	2	0000800	-.105	2.437					1	0004000							1	0004000									
Isonotopidae	2	0030200	-.105	9.200													2	0004000									
HOMOPTERA																											
Cecidae	1	0000150	-.052	-.046									1	0000150													
PHYSANOPTERA																											
Phlaeothripidae	1	0004000	-.052	1.219	2	0008000	-.105	2.437	1	0004000									1	0004000			1	0004000			
LEPIDOPTERA																											
Noctuidae	14	0025200	-.734	7.677													14	0025200									
DIPTERA																											
Cecidomyiidae	2	0000500	-.105	1.523	3	0007500	-.158	2.285					1	0002500	1	0002500				2	0005000	1	0002500				
COLEOPTERA																											
Tenebrionidae	1	0001800	-.052	-.548																			1	0001800			
DIPLOPODA																											
SPINOSTREPIODORPHA																											
Spirostreptidae					1	0006800	-.052	2.072									1	0006800									
PAUROPODA																											
Pauroptidae	1	0000180	-.052	-.055									1	0000180													
MUSTACEA																											
COPEPODA																											
Cyclopidae	2	0000300	-.105	-.091					1	0000150							1	0000150									
94		0096880	4.828	29.514	232	0097500	12.167	29.703	24	0015050	1	0000200	13	0005130	25	0014500	53	0071700	198	0077100	4	0005000	8	0005700			
1388		0183300	72.836	55.841	518	0144950	27.163	44.158	493	0029205	30	0002385	90	0011420	44	0017925	648	0108020	383	0109495	158	0034655	61	0015155			

TABLE 54 : PLOT E

PLOT No. 116

NUMBERS AND BIOMASS VALUES OF MICROARTHROPODS

EXTRACTION APPARATUS EMPLOYED	TOTAL								JULY 1965				SEPTEMBER 1965				JANUARY 1966				APRIL 1966				
	FUNNEL				GREASE FILM				FUNNEL		GREASE FILM		FUNNEL		GREASE FILM		FUNNEL		GREASE FILM		FUNNEL		GREASE FILM		
	Numb.	Biom.	Numb. %	Biom. %	Numb.	Biom.	Numb. %	Biom. %	Numb.	Biom.	Numb.	Biom.	Numb.	Biom.	Numb.	Biom.	Numb.	Biom.	Numb.	Biom.	Numb.	Biom.	Numb.	Biom.	
ACARI																									
TROMBIDIFORMES																									
Tydeidae	248	-000445	9.787	-579	9	-0000985	-355	-128	162	-0002545	1	-0000020	20	-0000360			46	-0000700	1	-0000020	20	-0000840	7	-0000945	
Manorshetidae	21	-0000420	.829	-055					5	-0000100			12	-0000240						4	-0000080				
Pyemotidae	17	-0000850	.671	-111																					
NESOSTIGMATA	286	-0005715	11.287	-745	9	-0000985	-355	-128	171	-0002845	1	-0000020	32	-0000600			51	-0000950	1	-0000020	32	-0001320	7	-0000945	
Rhodacaridae	2	-0000040	.078	-005	4	-0000080	-158	-010					2	-0000040						1	-0000020	1	-0000020	1	-0000020
Ascidae	12	-0000240	.473	-031	8	-0000160	-316	-021	3	-0000060							4	-0000080	3	-0000060	5	-0000100	5	-0000100	
Laelaptidae	5	-0001000	-197	-131	2	-0000400	-079	-052									2	-0000400			3	-0000600	2	-0000400	
Phytoseiidae	4	-0000800	-158	-104					3	-0000600			1	-0000200											
ORIBATEI	23	-0002080	.907	-271	14	-0000640	-552	-083	6	-0000660	2	-0000040	3	-0000240			6	-0000480	4	-0000080	8	-0000700	8	-0000520	
Oribatulidae	23	-0004220	.907	-550	70	-0012680	2.782	1.650	7	-0001320	2	-0000360	2	-0000360			3	-0000540	5	-0000960	11	-0002000	63	-0011340	
Opplidae	6	-0000300	.237	-039	10	-0000500	-395	-065	4	-0000200	1	-0000050	2	-0000100	5	-0000250			4	-0000200					
Perlohmanniidae	1	-0000150	.040	-020	5	-0000750	-197	-098											2	-0000300	1	-0000150	3	-0000450	
Carabodidae	1	-0000150	.040	-020													1	-0000150							
Epflohmanniidae					43	-0005160	1.697	-672			11	-0001320			5	-0000600			11	-0001320			16	-0001920	
INSECTA	31	-0004820	1.224	-628	128	-0019070	5.051	2.485	11	-0001520	14	-0001730	4	-0000460	10	-0000850	4	-0000690	22	-0002780	12	-0002150	82	-0013710	
COLLEMBOLA																									
Onychiuridae	14	-0002800	.552	-385	55	-0011000	2.170	1.433	2	-0000400	1	-0000200	1	-0000200	2	-0000400	9	-0001800	13	-0002600	2	-0000400	39	-0007800	
Isotomidae	232	-0081200	9.156	-581	1715	-0602500	67.679	78.221	19	-0006650	7	-0002450	3	-0001050	2	-0000700	19	-0006650	1472	-0515200	191	-0066850	234	-0081900	
Achorutidae	7	-0002100	.276	-274	1	-0000300	-040	-039												7	-0002100	1	-0000300		
Sainthuridae	1	-0000040	.040	-005																					
CORRODENTIA																									
Liposcellidae	3	-0000600	.118	-078	1	-0000200	-040	-026					1	-0000200			2	-0000400					1	-0000200	
HEMIPTERA																									
Reduviidae	1	-0004000	.039	-521																	1	-0004000			
HOMOPTERA																									
Aphididae					2	-0006000	-079	-782											2	-0006000					
THYSANOPTERA																									
Phlaeothripidae	1	-0004000	.039	-521	2	-0008000	-079	1.043																	
COLEOPTERA																									
Tenebrionidae	2	-0004800	.079	-626													2	-0004800							
ARACHNIDA																									
ARANEIDA																									
Linyphiidae	1	-0008000	.040	1.043																1	-0008000				
PAUROPODA																									
Pauropidae					1	-0000180	-039	-023															1	-0000180	
CRUSTACEA																									
COPEPODA																									
Cyclopidae	4	-0000600	.158	-078					1	-0000150			3	-0000450											
	266	-0108140	10.497	-14.092	1777	-0625930	70.126	81.567	22	-0007200	8	-0002650	11	-0013940	4	-0001100	32	-0013650	1488	-0527800	201	-0073350	277	-0094380	
	606	-0120755	23.915	-15.736	1928	-0646825	76.736	84.263	210	-0012225	25	-0004440	50	-0015240	14	-0001950	93	-0015770	1515	-0530680	253	-0077520	374	-0109555	

TABLE 58 : PLOT A

MUREBS AND BIOMASS VALUES OF NICOTIANTHOPIDS FOR APRIL 1965

PLOT No. 1109

ACARI	EXTRACTION APPARATUS EMPLOYED	FUNNEL		GREASE FILM		FUNNEL		GREASE FILM		FUNNEL		GREASE FILM		FUNNEL		GREASE FILM		
		1 - 4 cm.		4 - 8 cm.		8 - 12 cm.		12 - 16 cm.		GREASE FILM		GREASE FILM		GREASE FILM		GREASE FILM		
		Num.	%	Num.	%	Num.	%	Num.	%	Num.	%	Num.	%	Num.	%	Num.	%	Num.
TROBIDIFORMES																		
Tydeidae : Tydeus sp. 12 4-240 -066																		
Microtydeus sp. 6 2-120 -044																		
Lorryia africana sp. 5 1-767 -247																		
Lorryia sp. nov. 3 1-060 -148																		
Nanorchestidae : Spalorchestus sp. 7 2-472 -051 2 -707 -015 13 4-504 -095 1 -354 007 13 4-504 -095 1 -353 -007 5 1-767 -037 1 -354 -007																		
Nanorchestus sp. 3 1-060 -153																		
Cunaxa sp. 3 1-060 -153																		
Cunaxoides sp. 18 6-361 -921																		
Cyla sp. 3 1-060 -197																		
Raphignethidae : Scheles aethiopia sp. 2 -707 -037																		
Stigmaeidae : Loderuallia sp. 1 -353 -073																		
Loderualliaopis sp. 2 -707 -109																		
Neophyllobius sp. nov. A 1 -353 -073																		
Neophyllobius sp. nov. B 1 -353 -055																		
Pseudocheyleidae : Pseudocheyleus sp. 1 -353 -055																		
Cheyletidae : Paracheyleta sp. 1 -353 -146																		
Erythraeidae : Saoris biscutatus sp. 13 4-504 1-800																		
Lectus sp. 3 1-060 -438																		
Pyemotidae : Pyemophorus sp. 2 -707 -037																		
Tarsonemidae : Tarsonemus sp. 1 -353 -007																		
Scutacaridae : Scutacarus sp. 4 1-413 -029																		
Eupodidae : Eupodes variegatus sp. 1 -353 -051																		
Eupodes parafusifer sp. 1 -353 -073																		
Anystidae : Anystes baccharum sp. 2 -707 -109																		
Cryptognathidae : Cryptognathus cucurbita sp. 1 -353 -058																		
Pachygnathidae : Blalchaella sp. 1 -353 -058																		
Pachygnathus sp. 1 -353 -058																		
Lordalynidae : Lordalynchus sp. 1 -353 -058																		
Paratydeidae : Scolytodus sp. 1 -353 -051																		
Tetranychidae : Brevipalpus obovatus sp. 2 -707 -056																		
MESOSTIGMATA																		
Rhodacaridae : Rhodacarus sublapideus sp. 2 -707 -015 26 8-187 -295 2 -707 -056 20 7-067 -318 1 -353 -007 12 4-240 -354 2 -707 -056																		
Digaeanellidae : Digaeanellus sp. 1 -353 -073																		
Laelaptidae : Geolaelaps queenslandicus sp. 1 -353 -073																		
Hypoaspis quinquelongisetus sp. 1 -353 -073																		
Phytoseiidae : Amblyseius usitatus sp. 1 -353 -073																		
Ascidae : Ganaseioides sp. 1 -354 -066																		
Protogamasellus primitivus etellus sp. 1 -354 -066																		
Protogamasellus dispar sp. 1 -354 -066																		
Protogamasellus braycornie sp. 1 -354 -066																		
Lasioseius sp. 1 -354 -066																		
Pachylaelapidae : Pachylaelaps sp. nov. 1 -354 -066																		
ORIBATEI																		
Oribatidae : Scheloribates sp. A 1 -353 -066 1 -353 -066 1 -353 -066 1 -353 -066 2 -707 -132																		
Scheloribates sp. B 1 -353 -073 1 -353 -073 1 -353 -055																		
Liodidae : Liodes sp. A 6 2-120 1-096 1 -354 -183 4 1-413 -731																		
Liodes sp. B 1 -353 -183																		
Platerosidae : Platerosius sp. 1 -354 -018 1 -353 -365																		
Pedrocorticella sp. 1 -353 -055																		
Passalozetidae : Passalozetes sp. 2 -707 -022																		
Euphthiracaridae : Rhyzotritia sp. 2 -707 -022																		
Cosmocthonidae : Cosmocthonius sp. 2 -707 -022																		
Doppiidae : Doppla nova sp. 2 -707 -022																		
Perlohaemidae : Perlohaemia sp. 2 -707 -022																		
Epilohaemidae : Epilohaemia sp. 2 -707 -022																		
Carabodidae sp. 2 -707 -022																		
Larvae unknown 1 -354 -011																		
ACARIDIAE																		
Acaridae : Tyrophagus sp. 1 -353 -007																		
INSECTA																		
COLLEMBOLA																		
Onychiuridae : Onychiurus caerunensis sp. 1 -353 -073																		
Isotoxidae : Isotoxina tarophila sp. 1 -354 -073																		
Achorutidae : Brachystomella parvula sp. 1 -353 -056																		
Entomobryidae : Selma squamorneta sp. 1 -353 -056																		
Entomobrya sp. 6 2-120 -086																		
Sminthuridae : Sphaeridia pusilla sp. 6 2-120 -086																		
DIPLURA																		
Japygidae : Japyx sp. 1 -353 -365 1 -353 -366 1 -353 -385																		
CORRODENTIA																		
Liposcelidae sp. 3 1-060 -219 1 -353 -073																		
HEMIPTERA																		
Reduviidae sp. 1 -354 1-462 1 -354 1-462																		
Isoxetidae : Letaba bedfordi sp. 1 -354 1-462																		
HOMOPTERA																		
Aphididae : Macrosiphum sp. 3 1-060 -164 1 -353 055																		
Coccidae sp. 1 -354 1-461 1 -354 1-462																		
THYSANOPTERA																		
Phlaeothripidae : Urothrips minor sp. 1 -354 1-461 1 -354 1-463																		
Faureothrips reticulatus sp. 1 -354 1-461 1 -354 1-463																		
LEPIDOPTERA																		
Noctuidae : Lophoga exempta sp. 1 -354 1-461 1 -354 1-463																		
DIPTERA																		
Cecidomyiidae sp. 9 3-180 5-919 2 -707 1-754																		
COLEOPTERA																		
Tenebrionidae sp. 1 -353 2-182 3 1-060 8-577																		
HYMENOPTERA																		
Trichogrammatidae : Trichogramma sp. 1 -353 2-182 3 1-060 8-577																		
Forficidae : Pheldole megacephala sp. 1 -353 2-182 3 1-060 8-577																		
ARACHNIDA																		
ARANEIDA																		
Salticidae sp. 2 -707 5-846																		
Erasidae sp. 2 -707 5-846																		
Linyphiidae sp. 2 -707 5-846																		
DIPLOPODA																		
SPIROSTREPTOMORPHA																		
Spirostreptidae sp. 8 2-827 10-877 2 -707 4-969 6 2-120 16-908 4 1-413 9-938 2 -707 4-969 1 -353 2-494																		
CHILOPODA																		
GEOPHILOMORPHA																		
Geophilidae sp. 1 -353 2-182 3 1-060 8-577																		
PAUROPODA																		
Pauropidae : Pauropus sp. 1 -353 066 1 -353 066																		
TARDIGRADA																		
EUTARDIGRADA																		
Macrobatiidae sp. 1 -353 066 1 -353 066																		
CRUSTACEA																		
COPEPODA																		
Cyclopiidae : Mesocyclops sp. 1 -353 066 1 -353 066																		
35 12-268 35-459 9 3-181 12-276 12 4-239 21-978 6 2-120 10-077 4 1-414 6-488 11 3-887 -803 9 3-180 3-069																		
135 47-604 61-709 15 5-301 12-822 48 17-313 23-399 12 4-241 10-232 29 10-248 7-342 13 4-593 -817 18 6-360 -746 12 4-240 3-132																		

TABLE 59 : PLOT B

NUMBERS AND BIOMASS VALUES OF MICROARTHROPODS FOR JULY 1965

PLOT No. 1111

EXTRACTION APPARATUS EMPLOYED	Numb.		Biom.		Numb.		Biom.		Numb.		Biom.		Numb.		Biom.									
	FUNNEL		GREASE FILM		FUNNEL		GREASE FILM		FUNNEL		GREASE FILM		FUNNEL		GREASE FILM									
	1 - 4 cm.				4 - 8 cm.				8 - 12 cm.				12 - 16 cm.											
ACARI	STRATIGRAPHICAL LAYERS																							
TROMBIDIFORMES																								
Tydeidae: Tydeus sp.	138	26 386	6-057		59	11-281	2-803			47	8-987	2-234	1	-191	-047	49	9-369	2-328						
Microtydeus sp.	37	7-074	2-344							1	-191	-063												
Lorryia africana																								
Lorryia sp. nov.																								
Paralorryia sp.																								
Nanorchestidae: Spelaorchestes sp.	32	6-118	2-027		6	1-147	-380			4	-765	-254	1	-191	-063		1	-191	-158					
Nanorchestes sp.																								
Cunaxidae: Cunaxa sp.																								
Cunaxoides sp.																								
Bdellidae: Bdella sp.																								
Cyta sp.																								
Raphignathidae: Acheles aethiops																								
Stigmaeidae: Lederwalleria sp.																								
Lederwalleria-lopste sp.																								
Neophyllobius sp. nov. A																								
Neophyllobius sp. nov. B																								
Pseudocheyleidae: Pseudocheylus sp.																								
Chayletidae: Parachyletia sp.																								
Erythraeidae: Sarris bicucullatus																								
Pyemotidae: Pyemaphorus sp.	42	8-031	6-652	16	3-059	2-534	5	-956	-793	1	-191	-158	12	2-244	1-901		1	-191	-063					
Tarsonemidae: Tarsonemus sp.																								
Scutacaridae: Scutacarus sp.	1	-191	-063										1	-191	-063									
Eupodidae: Eupodes variegatus																								
Eupodes parafusifer																								
Anystidae: Anysta baccharis																								
Cryptognathidae: Cryptognathus cucurbita																								
Pachygnathidae: Blechnella sp.																								
Pachygnathus sp.							1	191	507				2	383	1-074									
Lordalychidae: Lordalychus sp.																								
Paretydeidae: Scolotydeus sp.	2	383	760																					
Tetranychidae: Brevipalpus obovatus																								
	252	48-183	18-403	16	3-059	2-534	71	12-575	4-483	1	191	-158	12	2-244	1-901	3	-573	-173	50	9-560	2-391	1	-191	-158
MESOSTIGMATA																								
Rhodacaridae: Rhodacarus sublapideus																								
Digamaseiidae: Digamaseius sp.	1	-191	-570																					
Geolaelaps guinealamicus																								
Geolaelaps quinqueelongisetus																								
Phytoseiidae: Amblyseius ustitatus																								
Ascidae: Gaesellodes sp.																								
Protogaesellus primitivus giellus																								
Protogaesellus dispar																								
Protogaesellus brevicornis																								
Laetoselus sp.																								
Pachylaelapidae: Pachylaelaps sp. nov.																								
	1	-191	-570																					
ORIBATEI																								
Scheloribatidae: Scheloribates sp. A																								
Scheloribates sp. B																								
Liodidae: Liodes sp. A	7	1-338	4-434	1	-191	-634	4	-765	2-534															
Liodes sp. B																								
Pietermanselidae: Pietermanselus sp.																								
Pedroportulaca sp.																								
Passeiozetidae: Passeiozetes sp.																								
Euphthreacaridae: Euphthrella sp.																								
Cosacanthionidae: Cosacanthionus sp.																								
Opididae: Opile nova	2	-383	-317				1	-191	-158															
Perlohmanniidae: Epilohmannia sp.	1	-191	-475							1	-192	-475												
Epilohmannia sp.																								
Carabodidae sp.																								
Larvae unknown																								
	10	1-912	5-226	1	-191	-634	5	-956	2-692	2	-383	1-045	3	-574	1-775	3	-574	1-520		2	-283	-728		
ACARIDIAE																								
Acariidae: Tyrophagus sp.	8	1-529	3-548																					
INSECTA																								
COLLEMBOLA																								
Onychiumidae: Onychium caerunensis							1	-191	-634				1	-192	-633	1	-192	-634	1	-191	-634			
Isotomidae: Isotoma terraphila	3	-574	3-326				9	1-721	9-978															
Achorutidae: Brachystomella parvula																								
Entomobryidae: Selra squamornata																								
Entomobrya sp.																								
Sminthuridae: Sphaeridia pusilla																								
DIPLURA																								
Japygidae: Japyx sp.																								
CORRODENTIA																								
Liposcelidae sp.																								
HEMIPTERA																								
Reduviidae sp.	1	191	12-670																					
Isonetopidae: Letaba bedfordi																								
HOLOPTERA																								
Aphididae: Macrosiphum sp.																								
Coccidae sp.																								
THYSANOPTERA																								
Phlaeothripidae: Urothrips minor																								
Furcethrips reticulatus																								
LEPIDOPTERA																								
Noctuidae: Lopyga exempta																								
DIPTERA																								
Cecidomyiidae sp.																								
COLEOPTERA																								
Tenebrionidae sp.																								
HYMENOPTERA																								
Trichogrammatidae: Trichogramma sp.																								
Formicidae: Phidole megacephala																								
ARACHNIDA																								
ARANEIDA																								
Salticidae sp.																								
Eresidae sp.																								
Linyphiidae sp.																								
BIPLORIDA																								
SPIROSTREPTOMORPHA																								
Spirostreptidae sp.																								
CHILOPODA																								
GEOPHILOMORPHA																								
Geophilidae sp.																								
PAUPOPODA																								
Paupopidae: Paupopus sp.																								
TARDIGRADA																								
EUTARDIGRADA																								
Naucorotidae sp.																								
CRUSTACEA																								
COPEPODA																								
Cyclopidae: Naucyclops sp.							1	-191	-475															
	4	-765	15-996				11	2-103	11-087				2	382	13-303	1	-192	-634	7	1-338	7-286			
	275	52-580	43-743	17	3-250	3-168	87	18-634	18-262	3	-574	1-203	73	13-958	20-670	7	1-339	2-327	57	10-898	9-677	4	-565	

TABLE 60 : PLOT B

NUMBERS AND BIOMASS VALUES OF MICROARTHROPODS FOR SEPTEMBER 1965

PLOT No. 1111

EXTRACTION APPARATUS EMPLOYED STRATIGRAPHICAL LAYERS	FUNNEL		GREASE FILM		FUNNEL		GREASE FILM		FUNNEL		GREASE FILM		FUNNEL		GREASE FILM								
	1 - 4 ca.				4 - 8 ca.				8 - 12 ca.				12 - 16 ca.										
	Numb.	Numb. %	Biom. %	Numb. %	Numb. %	Biom. %	Numb. %	Numb. %	Biom. %	Numb. %	Numb. %	Biom. %	Numb. %	Numb. %	Biom. %	Numb. %	Biom. %						
ACARI																							
TRONCHIDIFORMES																							
Tydeidae : Tydeolus sp.	8	5.870	.545																				
Hicortydeus sp.																							
Lorryia africana				7	5.226	.477			4	2.985	.272												
Lorryia sp. nov.				1	.746	.480			1	.746	.480					1	.746	.480					
Paralorryia sp.																							
Nanorchestidae : Spalorchestes sp.																							
Nanorchestes sp.																							
Cunaxidae : Cunaxa sp.																							
Cunaxoides sp.																							
Bdellidae : Bdella sp.																							
Cyla sp.																							
Raphignathidae : Achaea aethiopia																							
Stigmaeidae : Ledererella sp.																							
Ledererella sp.																							
Neophyllobius sp. nov. A																							
Neophyllobius sp. nov. B																							
Pseudocheyleidae : Pseudocheyleus sp.																							
Cheyletidae : Paracheyletia sp.																							
Erythraeidae : Searis biscutatus																							
Leptus sp.																							
Pyemotidae : Pyemaphorus sp.	13	9.701	2.214																				
Tarsonemidae : Tarsonemus sp.																							
Scutacaridae : Scutacarus sp.	1	.746	.088																				
Eupodidae : Eupodes variegatus				1	.746	.477																	
Eupodes parafusifer																							
Anystidae : Anystes baccharum																							
Cryptognathidae : Cryptognathus cucurbita																							
Pachygnathidae : Blinchea sp.																							
Pachygnathus sp.				2	1.493	1.090																	
Lordalychidae : Lordalychus sp.																							
Paratydeidae : Scolotydeus sp.																							
Tetranychidae : Bravipalpus obtovatus																							
MESOSTIGMATA	22	16.417	2.827																				
Rhodacaridae : Rhodacarus subulpidus																							
Digaesellidae : Digaesellus sp.																							
Laelaptidae : Geolaelaps qeemalidicus				1	.747	.081	1	.746	.082														
Hypoaspis quinquelongistatus																							
Phytoselidae : Aoblysus ustulatus																							
Ascidae : Gaesellodes sp.																							
Protogaesellus primitivus stalfus				1	.746	.088																	
Protogaesellus dispar																							
Protogaesellus bravicornis																							
Lasioselus sp.																							
Pachylaelaptidae : Pachylaelaps sp. nov.																							
ORIBATEI																							
Oribatulidae : Scholribates sp. A	1	.746	.613																				
Scholribates sp. B																							
Liodidae : Liodes sp. A	8	4.478	4.089																				
Liodes sp. B				1	.746	.170																	
Plateremidae : Plateremus sp.																							
Pedrocorticella sp.				2	1.493	.341																	
Pasealozetidae : Pasealozetes sp.																							
Euphthiracidae : Euphthirilla sp.																							
Cosmochthoniidae : Cosmochthonius sp.																							
Oppidae : Oppia nova																							
Perlohmanniidae sp.																							
Epilohmanniidae : Epilohmannia sp.																							
Carabodidae sp.																							
Larvae unknown																							
ACARIDIAE	10	7.463	5.213																				
Acaridae : Tyrophagus sp.				4	2.985	2.657	3	2.239	1.840	1	.746	.682	5	3.732	3.134	5	3.732	3.270	6	4.477	3.543		
INSECTA																							
COLLEMBOLA																							
Oncyhuriidae : Oncyhurius caserunensis	5	3.731	3.406	3	2.239	2.044			2	1.493	1.363	1	.746	.682	8	5.970	5.450	2	1.493	1.363	6	4.477	4.087
Isotoxidae : Isotoxina teraphila				4	2.985	4.789	1																
Achorutidae : Brachystomella parvula																							
Entomobryidae : Selva squamornata																							
Entomobrya sp.																							
Sminthuridae : Sphaeridia pusilla																							
DIPLURA																							
Japygidae : Japyx sp.																							
CORRODENTIA																							
Liposcellidae sp.																							
HERIFTERA																							
Reduviidae sp.																							
Isoxetidae : Letaba bedfordi																							
HOMOPTERA																							
Aphididae : Macrosiphum sp.																							
Coccidae sp.																							
PHYSANOPTERA																							
Phlaeothripidae : Urothrips minor																							
Fourcothrips reticulatus																							
LEPIDOPTERA																							
Noctuidae : Lypgia exaepta																							
DIPTERA																							
Cecidomyiidae sp.																							
COLEOPTERA																							
Tenebrionidae sp.																							
HYMENOPTERA																							
Trichogrammatidae : Trichogramma sp.																							
Forficidae : Pheldole megacaphala																							
ARACHNIDA																							
AHANICIDA																							
Salticidae sp.																							
Eresidae sp.																							
Linyphiidae sp.																							
DIPLOPODA																							
SPIROSTREPTODORINA																							
Spirostreptidae sp.				1	.746	23.165																	
CHILEFOOD																							
GEOPHILOMORPHA																							
Geophilidae sp.																							
PAUROPODA																							
Fauropidae : Fauropus sp.	1	.746	.613																				
TARDIGRADA																							
EUTARDIGRADA																							
Macrobiotidae sp.																							
CRUSTACEA																							
COPEPODA																							
Cyclopidae : Mesocyclops sp.																							

TABLE 66 : PLOT C

NUMBERS AND BIOMASS VALUES OF MICROARTHROPODS FOR APRIL 1966

PLOT No. H 336

EXTRACTION APPARATUS EMPLOYED	FUNNEL		GREASE FILM		FUNNEL		GREASE FILM		FUNNEL		GREASE FILM		FUNNEL		GREASE FILM									
	Numb.	% Biom.	Numb.	% Biom.	Numb.	% Biom.	Numb.	% Biom.	Numb.	% Biom.	Numb.	% Biom.	Numb.	% Biom.	Numb.	% Biom.								
ACARI	1 - 4 ca.																							
TROBIDIFORMES	4 - 8 ca.																							
Tydeidae: Tydeus sp.	8 - 12 ca.																							
Microtydeus sp.	12 - 16 ca.																							
Lorryia africana																								
Lorryia sp. nov.																								
Paralorryia sp.																								
Nanorchestidae: Spelorchestus sp.	8	10-910	-934	9	18-364	1-402	9	18-364	1-402															
Nanorchestus sp.										1	1-818	-156												
Cunaxidae: Cunaxa sp.																								
Cunaxoides sp.																								
Bdellidae: Bdella sp.																								
Cyta sp.																								
Raphignathidae: Acheles aethiopia																								
Stigmaeidae: Lederullerella sp.																								
Lederulleropsis sp.																								
Neophyllobius sp. nov. A																								
Neophyllobius sp. nov. B																								
Pseudochyidae: Pseudochyus sp.																								
Cheyllidae: Paracheyllia sp.																								
Erythraeidae: Searia biculatus																								
Leptus sp.																								
Pyemotidae: Pyemotus sp.																								
Tarsonemidae: Tarsonemus sp.																								
Scutacaridae: Scutacarus sp.																								
Eupodidae: Eupodes variagatus																								
Eupodes parafulvif																								
Anystidae: Anystus baccharum																								
Cryptognathidae: Cryptognathus cucurbita																								
Pachygnathidae: Blaisacilla sp.																								
Pachygnathus sp.																								
Lordelychidae: Lordelychus sp.																								
Paratydeidae: Scolotydeus sp.	1	1-818	-925																					
Tetranychidae: Brevipalpus obovatus																								
NEOSTIGMATA	7	12-728	1-969	8	16-364	1-402	9	18-364	1-402															
Rhodacaridae: Rhodacarus sublapideus	1	1-818	-156							1	1-818	-156												
Digamaseiidae: Digamaseius sp.																								
Gaeolaelaps gaenlandicus																								
Leaelaptidae: Hypoaspis quinquelongisetus																								
Phytoseiidae: Amblyseius ustulatus																								
Aceria: Gamaseiodes sp.																								
Protogamaseius primitivus stalius																								
Protogamaseius dispar																								
Protogamaseius brevicornis																								
Lasioselus sp.																								
Pachylaelaptidae: Pachylaelaps sp. nov.	1	1-818	-156																					
ORIBATEI	1	1-818	1-402							1	1-818	-156												
Oribatidae: Scheloribates sp. A	1	1-818	1-402				1	1-818	1-402				2	3-636	2-804									
Scheloribates sp. B																								
Liodidae: Liodes sp. A										2	3-636	3-115												
Liodes sp. B																								
Platerosidae: Platerosulus sp.																								
Pedrocorticella sp.																								
Pannozetidae: Pannozetes sp.																								
Euphthiracaridae: Euphthiria sp.																								
Coscothionidae: Coscothionus sp.																								
Oppilidae: Oppia hovei			1-818	-389						1	1-818	-389												
Perlohaanidae sp.																								
Epilohmannidae: Epilohmannia sp.													1	1-818	-934									
Carabodidae sp.																								
Larvae unimem																								
ACARI DIAE	1	1-818	1-402				1	1-818	1-402	4	7-272	4-906												
Acariidae: Tyrophagus sp.													3	5-454	3-738									
INSECTA																								
COLLEMBOLA																								
Oncythuridae: Oncythurus camerunensis	1	1-818	1-557	3	5-454	4-674				1	1-818	1-557												
Isotoleidae: Isotoleia taraphila										1	1-818	2-756												
Achorutidae: Brachystomella parvula										1	1-818	2-726												
Entomobryidae: Seira squamornata																								
Entomobrya sp.																								
Sminthuridae: Sphaeridia pusilla																								
DIPLURA																								
Japygidae: Japyx sp.										1	1-818	7-787												
CORRODENTIA																								
Liposcelidae sp.																								
HEMIPTERA																								
Reduviidae sp.																								
Isometopidae: Lataba bedfordi																								
HOLOPTERA																								
Aphididae: Macrosiphum sp.																								
Coccidae sp.	1	1-818	1-168																					
THYSANOPTERA																								
Phlaeothripidae: Urothrips minor																								
Faureothrips reticulatus																								
LEPIDOPTERA																								
Noctuidae: Lospyga exsecta																								
DIPTERA																								
Cecidomyiidae sp.																								
COLEOPTERA																								
Tenebrionidae sp.																								
HYMENOPTERA																								
Trichogrammatidae: Trichogramma sp.																								
Formicidae: Pheidole megacephala																								
ARACHNIDA																								
ARANEIDA																								
Salticidae sp.																								
Eresidae sp.																								
Linyphiidae sp.																								
DIPLODOIDA																								
SPIROSTREPTOMORPHA																								
Spirastrestidae sp.														1	1-818	52-959								
CHILOPODA																								
GEOPHILOPORHA																								
Geophilidae sp.																								
PARAPODA																								
Fauropidae: Fauropus sp.																								
TARDIGRADA																								
EUTARDIGRADA																								
Mecrobrotidae sp.																								
CRUSTACEA																								
COPEPODA																								
Cyclopidae: Naucyclops sp.																								
	2	3-636	2-725	3	5-454	4-674				3	5-455	12-071	1	1-818	2-726	4-7-273	7-398							
	11	20-000	6-152	13	23-636	6-485	10	18-182	2-804	8	14-545	17-133	2	3-636	2-882	8	14-545	11-292	1	1-818	-156	2	3-636	53-115

TABLE 69 : PLOT D

PLOT No. 117

NUMBERS AND BIOMASS VALUES OF MICROARTHROPODS FOR JANUARY 1966

EXTRACTION APPARATUS EMPLOYED STRATIGRAPHICAL LAYERS	FUNNEL		GREASE FILM		FUNNEL		GREASE FILM		FUNNEL		GREASE FILM		FUNNEL		GREASE FILM										
	1 - 4 cm.		4 - 8 cm.		8 - 12 cm.		12 - 16 cm.																		
	Num.	Num. % Biom. %	Num.	Num. % Biom. %	Num.	Num. % Biom. %	Num.	Num. % Biom. %	Num.	Num. % Biom. %	Num.	Num. % Biom. %	Num.	Num. % Biom. %	Num.	Num. % Biom. %									
ACARI																									
TROMBIDIFORMES																									
Tydeidae : Tydeolus sp.	10	1 - 115	-055																						
Microtydeus sp.	5	-557	-036																						
Lorryia africana																									
Lorryia sp. nov.																									
Paralorryia sp.																									
Nanorchestidae : Spelaorchestus sp.																									
Nanorchestus sp.																									
Cunaxidae : Cunaxa sp.	2	-223	-102																						
Cunaxoides sp.																									
Boellidae : Boella sp.																									
Cyta sp.																									
Raphignethidae : Acheles aethiopicus	2	-223	-132																						
Stigmaeidae : Loderia sp.																									
Loderia lortetii sp.																									
Neophyllobius sp. nov. A																									
Neophyllobius sp. nov. B																									
Pseudocheyleidae : Pseudocheyleus sp.																									
Cheyletidae : Parecheylella sp.																									
Erythraeidae : Swartzia bicucutata																									
Leptus sp.																									
Pyemoidae : Pyemophorus sp.																									
Tarsonemidae : Tarsonemus sp.																									
Scutacaridae : Scutacarus sp.	2	-223	-015																						
Eupodidae : Eupodes variegatus																									
Eupodes persulfur																									
Anystidae : Anystes baccharum																									
Cryptognathidae : Cryptognathus cucurbitae																									
Pachygnathidae : Blalchella sp.																									
Pachygnathus sp.																									
Lordalychidae : Lordalychus sp.																									
Paratydeidae : Scolotydeus sp.																									
Tetranychidae : Brevipalpus obovatus																									
MESOSTIGMATA	21	2 - 341	-340																						
Rhodacaridae : Rhodacarus sublapideus																									
Digamaseiidae : Digamaseiella sp.																									
Laelapidae : Geolaelaps queenslandicus	2	-223	-146																						
Hyposopli quinquelongisetus																									
Phytoseiidae : Aabyseius ustulatus	1	-112	-073																						
Ascidae : Gamasellodes sp.																									
Protogamasellus pratensis																									
Protogamasellus dispar																									
Protogamasellus brevicornis	1	-112	-007																						
Lasioseius sp.																									
Pachylaelapidae : Pachylaelaps sp. nov.																									
ORIBATEI	3	-335	-210																						
Scheloribatidae : Scheloribates sp. A																									
Scheloribates sp. B																									
Liodidae : Liodes sp. A																									
Liodes sp. B																									
Plateremidae : Plateremus sp.																									
Pedrocorticella sp.																									
Passalozetidae : Passalozetes sp.																									
Euphthiracaridae : Rhyzitiffia sp.																									
Cosmochthoniidae : Cosmochthonius sp.																									
Oppidae : Oppia nova																									
Epiplonidae : Epiplon sp.																									
Epilohmanniidae : Epilohmannia sp.	2	-223	-088																						
Carabodidae sp.																									
Larvae unknown																									
ACARIDIAE	3	-335	-154																						
Acaridae : Tyrophagus sp.																									
INSECTA																									
COLLEMBOLA																									
Onychiuridae : Onychiurus caerunensis	23	2 - 563	1 - 864	1	-112	-073	3	-335	-220	6	-668	-439	1	-112	-073	10	1 - 114	-732	1	-112	-073	1	-112	-073	
Isotomidae : Isotoma terraphila	11	1 - 226	1 - 409	32	3 - 567	4 - 099	4	-446	-512	115	12 - 820	14 - 730	15	1 - 671	1 - 921	167	18 - 617	21 - 390	16	1 - 783	2 - 049	61	6 - 796	7 - 813	
Achorutidae : Brachystomella parvula	238	26 - 944	26 - 129	35	3 - 790	3 - 642	20	2 - 229	2 - 196	13	1 - 449	1 - 427	1	-112	-110	19	2 - 117	2 - 086	6	-670	-858	1	-112	-110	
Entomobryidae : Selva squamornata																									
Entomobrya sp.																									
Sminthuridae : Sphaeridia pusilla																									
DIPLURA																									
Japygidae : Japyx sp.																									
CORRODENTIA																									
Ligocollidae sp.	4	-446	-293																						
HEMIPTERA																									
Reduviidae sp.																									
Isonetopidae : Letaba bedfordi																									
HOMOPTERA																									
Aphididae : Macrosiphus sp.																									
Coccidae sp.																									
THYSANOPTERA																									
Phlaeothripidae : Urothrips minor																									
Fauvothrips reticulatus																									
LEPIDOPTERA																									
Noctuidae : Lopyga exopta																									
DIPTERA																									
Cecidomyiidae sp.																									
COLEOPTERA																									
Tenebrionidae sp.	1	112	-659																						
HYMENOPTERA																									
Trichogrammatidae : Trichogramma sp.																									
Formicidae : Pheldole megacaphala																									
ARACHNIDA																									
ARANEIDA																									
Salticidae sp.																									

TABLE 74 : PLOT E

NUMBERS AND BIOMASS VALUES OF MICROARTHROPODS FOR APRIL 1966

PLOT No. 116	EXTRACTION APPARATUS EMPLOYED		FUNNEL		GREASE FILM		FUNNEL		GREASE FILM		FUNNEL		GREASE FILM		FUNNEL		GREASE FILM		
	1 - 4 cm.	4 - 8 cm.	8 - 12 cm.	12 - 16 cm.	1 - 4 cm.	4 - 8 cm.	8 - 12 cm.	12 - 16 cm.	1 - 4 cm.	4 - 8 cm.	8 - 12 cm.	12 - 16 cm.	1 - 4 cm.	4 - 8 cm.	8 - 12 cm.	12 - 16 cm.	1 - 4 cm.	4 - 8 cm.	8 - 12 cm.
ACARI																			
TROMBIDIFORMES																			
Tydeidae: Tydeus sp. 2 -319 -016																			
Microtydeus sp. 10 1-595 -107																			
Lorryla africana 1 -195 -072																			
Lorryla sp. nov. 2 -319 -144 3 -478 -217																			
Paralorryla sp. 4 -638 -288																			
Nanorchestidae: Speleorchestes sp. 1 -159 -011																			
Nanorchestes sp. 2 -319 -021																			
Cunaxidae: Cunaxa sp. 1 -159 -008																			
Cunaxoides sp. 2 -319 -008																			
Bdellidae: Bdella sp. 1 -159 -008																			
Cyla sp. 4 -638 -288																			
Igonethidae: Achelas aesthops 2 -319 -008																			
Stilpnidae: Loderuillaria sp. 1 -159 -008																			
Loderuillaria sp. 4 -638 -288																			
Neophyllobius sp. nov. A 1 -159 -008																			
Neophyllobius sp. nov. B 2 -319 -008																			
Pseudocheyllidae: Pseudocheylus sp. 3 -478 -080																			
Cheylotidae: Paracheyllia sp. 5 -798 -134																			
Erythraeidae: Saaris bisulcatus 3 -478 -080																			
Leptus sp. 5 -798 -134																			
Pyemotidae: Pygmaephorus sp. 3 -478 -080																			
Tersonemidae: Tersonemus sp. 5 -798 -134																			
Scutacaridae: Scutacarus sp. 3 -478 -080																			
Eupodidae: Eupodes variegatus 3 -478 -080																			
Eupodes parafuifer 5 -798 -134																			
Anystidae: Anystes baccharum 3 -478 -080																			
Cryptognathidae: Cryptognathus cucurbita 5 -798 -134																			
Pachygnathidae: Blechnella sp. 3 -478 -080																			
Pachygnathus sp. 5 -798 -134																			
Lordalychidae: Lordalychus sp. 3 -478 -080																			
Paratydeidae: Scolotydeus sp. 5 -798 -134																			
Tetranychidae: Brevipalpus obovatus 3 -478 -080																			
MESOSTIGMATA																			
Rhodacaridae: Rhodacarus sublapidus 17 2-710 -288																			
Rhodacarus sp. 10 1-595 -307 3 -478 -217 1 -159 -008 4 -638 -288 4 -638 -104																			
Diploaspidae: Diploaspis sp. 2 -319 -214 2 -319 -214 1 -159 -107																			
Laelapidae: Geolaelaps queenslandicus 2 -319 -214																			
Myoposia quinquelongisetus 1 -159 -107																			
Phytoseiidae: Amblyseius unitatus 1 -159 -107																			
Aecidae: Gamasellodes sp. 1 -159 -107																			
Protogamasellus primitivus similis 1 -159 -107																			
Protogamasellus dispar 2 -319 -021 1 -180 -011 1 -159 -011 2 -319 -021																			
Protogamasellus brevicornis 2 -319 -021 1 -159 -011 1 -159 -011																			
Lasioseius sp. 2 -319 -021																			
Pachylaelapidae: Pachylaelaps sp. nov. 2 -319 -214 2 -319 -214 1 -159 -107 1 -159 -107 1 -159 -107 4 -638 -288 4 -638 -288 4 -638 -288																			
ORIBATEI																			
Oribatidae: Scheloribatetes sp. A 5 -798 -482 20 3-191 1-924 3 -478 -288 22 3-510 2-117 4 -638 -385 4 -638 -385 4 -638 -385																			
Scheloribatetes sp. B 1 -159 -107																			
Liodidae: Liodes sp. A 1 -159 -107																			
Liodes sp. B 1 -159 -107																			
Pteronemidae: Pteronemus sp. 1 -159 -080																			
Pedrocorticella sp. 7 1-116 -449																			
Passalozetidae: Passalozetes sp. 1 -159 -080																			
Euphthiracidae: Euphthiria sp. 2 -319 -160																			
Cosmochthonidae: Cosmochthonus sp. 2 -319 -128																			
Opilidae: Opile nova 4 -638 -256																			
Perlohmanniidae sp. 3 -478 -192																			
Epilohmanniidae: Epilohmannia sp. 3 -478 -192																			
Carabodidae sp. 3 -478 -192																			
Larvae unknown 3 -478 -192																			
ACARIDAE																			
Acaridae: Tyrophagus sp. 8 -957 -562 28 4-488 2-453 4 -638 -396 26 4-148 2-405 4 -638 -385 8 1-276 -641 18 2-871 1-635																			
INSECTA																			
COLLEMBOLA																			
Onychiuridae: Onychiurus caenerunensis 2 -319 -214 7 1-116 -748																			
Isotomidae: Isotoma terraphila 31 4-944 5-801 43 8-858 8-044 108 17-225 20-206 98 15-632 18-335 42 6-699 7-858 52 8-294 9-736 10 3 1-595 1-872 41 6-541 7-870																			
Achorutidae: Brachytsoella parvula 4 -638 -288																			
Entomobryidae: Seira squamata 4 -638 -288																			
Entomobrya sp. 4 -638 -288																			
Sminthuridae: Sphaeridia pusilla 4 -638 -288																			
DIPLURA																			
Japygidae: Japyx sp. 1 -159 -107																			
CORRODENTIA																			
Litpeocellidae sp. 1 -159 -107																			
HEMIPTERA																			
Reduviidae sp. 1 -159 -107																			
Isometopidae: Letaba bedfordi 1 -159 -107																			
HOMOPTERA																			
Aphididae: Macropsiphum sp. 1 -159 -107																			
Coccidae sp. 1 -159 -107																			
THYSANOPTERA																			
Phlaeothripidae: Urothrips minor 1 -159 -107																			
Faucesothrips reticulatus 1 -159 -107																			
LEPIDOPTERA																			
Noctuidae: Lasygma exopta 1 -159 -107																			
DIPTERA																			
Cecidomyiidae sp. 1 -159 -107																			
COLEOPTERA																			
Tenebrionidae sp. 1 -159 -107																			
HYMENOPTERA																			
Trichogrammatidae: Trichogramma sp. 1 -159 -107																			
Formicidae: Phetole megacephala 1 -159 -107																			
ARACHNIDA																			
ARANEIDA																			
Salticidae sp. 1 -159 -107																			
Erasidae sp. 1 -159 -107																			
Linyphiidae sp. 1 -159 -107																			
DIPLOPODA																			
SPIROSTREPTIGORPHA																			
Spirostreptidae sp. 1 -159 -107																			
DHILOPODA																			
GEOPHILOMORPHA																			
Geophilidae sp. 1 -159 -107																			
PAUROPODA																			
Pauropidae: Pauropus sp. 1 -159 -107																			
TARDIGRADA																			
Macrotelidae sp. 1 -159 -107																			
RUSTACEA																			
COPEPODA																			
Cyclopidae: Mesocyclops sp. 1 -159 -107																			
TOTAL																			
37 5-901 8-856 51 8-133 8-899 108 17-225 20-206 117 18-682 20-355 42 6-699 7-858 60 9-568 12-618 14 2-233 4-401 49																			
11 546 123 19-617 21-016 147 22-988 51 8-134 8-293 75 11-960 13-578 19 3-029 4-606 67																			