

PATHOGEN	HOST	DISTRIBUTION
4. NEMATODA		
<i>Mermis</i> sp.	<i>Costelytra zealandica</i>	Canterbury
<i>Neoplectana leucaniae</i> Hoy	<i>Crambus simplex</i> Meyr.	Seafeld, Ashburton
Nematode (undescribed sp.)	<i>Sirex noctilio</i> (F.)	Rotochu State Forest, North Island
Nematode	<i>Hemideina thoracica</i> White	North Island
<i>Rhabditis</i> sp.	<i>Periclypterus truncatus</i>	North Island
5. PROTOZOA		
<i>Diplocystis oxycani</i> Dumb.	<i>Wisana cervinata</i> (Walk.)	South Island
<i>Enterocystis swetkowi</i> Fitz.	Blattidae	Pine Hill, Dunedin
† <i>Gregarina</i> spp.	<i>Costelytra zealandica</i>	Throughout
† <i>Gregarina</i> sp.	<i>Hemideina thoracica</i>	North Island
† <i>Gregarina</i> sp.	<i>Stenoperla prasina</i> (Nemw.)	Cass, Canterbury
† <i>Gregarina botulina</i> Fitz.	{ <i>Pheloneis aeratum</i> <i>Pheloneis turgidulum</i> <i>Pheloneis curtulus</i>	Pine Hill, Dunedin
<i>Leptomonas stenocephalis</i> (Fentham)	<i>Ctenocephalides felis</i> (Bouche)	Wellington
* <i>Malpighamoeba mellificae</i> (Prell)	<i>Apis mellifera</i>	Isolated, 1 hive only
* <i>Nosema apis</i> Zander	<i>Apis mellifera</i>	Throughout
<i>Ophryocystis marplei</i> (Fitz.)	{ <i>Pheloneis aeratum</i> <i>Pheloneis turgidulum</i> <i>Pheloneis curtulus</i> <i>Cilibe otagoensis</i>	Pine Hill, Dunedin
<i>Stenophora pinerum</i> Fitz.	Diplopoda	Pine Hill, Dunedin

REFERENCE

- Lowe, A. D., 1961
 Dunblaton, L., 1945
 Hoy, J., 1955
 Helson, G. A. H. (new record)
 Helson, G. A. H. (new record)
 Helson, G. A. H. (new record)
 Hoy, J., 1955
 Kelsey, J. M. (unpublished)
 Shackleton, D. A. (unpublished)
 Dale, P. S. (personal communication)

HOSTS

PATHOGEN

- Cordyceps aphodii*
Bacillus sp.
 **Beauveria bassiana*
 **Metarrhizium anisopliae*
Micrococccus sp.
Mermis sp.
Gregarina spp.
Bacillus sp.
 **Metarrhizium anisopliae*

INSECT

1. COLEOPTERA
Aphodius howitti
Costelytra zealandica

Heteronychus arator Fabr.
Periclypterus truncatus

† Thought to be non-pathogenic but requires confirmation.