

Adelphitrips cassinae

Cobb Reservoir	NN	31 Jan 79	♀	Cassinia vauvilliersii	HOLOTYPE → NZAC CAM-1386 DSJR		mc
"	"	"	♀	5 specimens "	"	HOLOTYPE	✓
"	"	"	♂	4 specimens "	"	"	✓
Queens Park, Invercargill	SL	18 Mar 77	♀	in gardens Beating native tussock specimen	AICW	DSJR NZAC DSJR	✓

① Adelphi thrips notkofagi

				HOLOTYPE	L.A. M. 1383	NZAC	Mac
Cobb Reservoir	NN	31 Jan 79	♀	<i>Nothofagus menziesii</i>	DESR	DESR	✓
Tr. to Lake Sylvester	NN	31 Jan 79	♀	Rearing young <i>N. ?menziesii</i>	AKW-20 L.A.M. 1383 AKW/LAM	PARATYPE DESR NZAC	✓
"	"	"	♀	"	"	PARA	✓
"	"	"	♀	"	"	PARA	✓
"	"	"	♀	"	"	PARA	✓
Cobb Reservoir	"	"	♀	<i>N. menziesii</i> L.A.M. 1383		PARA	✓
W	W	W	♀	W			
Mt. Robert 3500'	BR	4 Feb 79	♀	<i>Nothofagus solandri</i>	1404 L.A.M.	PARA	m/c
"	"	"	♀	"	"	"	Mac
Tr. to L. Sylvester	NN	31 Jan 79	♀	6 specimens On young leaves <i>N. solandri</i>	L.A.M. 1383 AKW 21	"	✓
Cobb Reservoir	NN	"	♀	<i>Nothofagus solandri</i>	L.A.M. 1384	"	✓
Canoin Saddle	NN	30 Jan 79	♀	On <i>N. menziesii</i> seedlings	AKW 18	"	✓
Cobb Reservoir	NN	31 Jan 79	Larva II	On <i>N. menziesii</i>	L.A.M. 1383	NZAC DESR	✓
Kaimanawa Forest	♀	20 Feb 79	To	<i>N. menziesii</i>	L.A.M. 1487	RARITYPE	✓
→							
Boatmans Ck	BR	4 Oct 71	♀ 1381	6 specimens Litter 71/117	J.M.C.B.	NZAC DESR	✓
"	"	"	♂	5 spec "	"	"	✓
Tutty's Plateau	BR	19 Apr 72	♀	Litter 72/145	J.S.D.	"	✓
3rd Home, Dun Mtn	NN	14 Sep 71	♂	Litter 71/111	G.W.R.	"	✓
Wooded Pk,	NN	14 Sep 71	♀	2 spec Litter 71/115	G.W.R.	"	✓
"	"	"	♂	"	"	"	✓
Mt. Lodestone 1449m	NN	24 Mar 71	♀	Mats 71/77	J.M.C.B.	"	✓
Wooded Pk Dun Mtn	NN	14 Sep 71	♀	2 spec Litter 71/108	G.W.R.	"	✓
"	"	"	♂	"	"	"	✓
"	"	"	♀	Litter 116	G.W.R.	"	✓
Wilmut Pass 630m	FD	23 Jan 70	♀	5 spec Moss 70/67	J.I.T.	"	✓
"	"	"	♂	6 spec "	"	"	✓
Sharplin Falls	MC	2 Feb 76	♀	4 spec Litter + Mats 76/18	G.W.R.	"	✓
"	"	"	♂	2 spec "	"	"	✓
Sharplin Falls	MC	2 Feb 76	♀	9 spec Litter + moss 76/22	G.W.R.	"	✓
"	"	"	♂	4 spec "	"	"	✓
Kaimanawa North F Park	TO	11 May 78	♀ ♂	2 spec <i>menziesii</i> rotten log Rearred from <i>Nothofagus</i>	J.S.D.	"	✓
"	"	"	♂	2 spec "	"	"	✓
Mt. Algidus 853m	MC	17 Mar 65	♀	Litter 65/277	G.W.R.	"	✓

(2) Adelphobrips nothofuji

								Mac
Tutty's Plateau	BR	20 Sep 72	♂	Moss 72/178	JSD	NZAC DSUR		✓
"	"	"	♀	"	"	"		✓
Tawhai SF	BR	12 Apr 72	♀	Litter 72/134	J.McB	"		✓
"	"	"	♀	"	"	"		✓
"	"	"	♂	"	"	"		✓
"	"	"	♂	"	"	"		✓
W. Inangahua Coll Credy	BR	19 Sep 72	♀	2 spec. Moss 72/184	JSD	"		✓
"	"	"	♂	2 spec "	"	"		✓
West Inangahua SF	BR	18 Apr 72	♀	Litter 72/136	"	"		✓
"	"	"	"	"	"	"		✓
Inangahua SF	BR	18 Apr 72	♀	2 spec Litter 72/137	J.McB	"		✓
"	"	"	♂	2 spec "	"	"		✓
Redmans CK	BR	20 Apr 72	♀	Moss 72/140	JCW	"		✓
"	"	"	♂	2 spec "	"	"		✓
"	"	"	♀	3 spec Litter 72/150	JCW	"		✓
"	"	"	♂	2 spec "	"	"		✓
Fletchers ck	BR	7 Mar 72	♀	Litter 72/114	JMc	"		✓
"	BR	7 Mar 72	♀	Litter 72/130	J.McB	"		✓
"	"	"	♂	2 spec "	"	"		✓
Fletchers ck	"	"	♀	4 spec Litter 72/122	"	"		✓
"	"	"	♂	"	"	"		✓
"	"	9 Nov 71	♀	Litter 71/138	JSD	"		✓
"	"	19 Sep 72	♀	Moss 72/176	JCW	"		✓
"	"	"	♂	"	"	"		✓
Capleton Beetle Res	"	6 Apr 73	♂	Litter 73/108	"	"		✓
Tawhai SF	"	6 Mar 72	♀	5 spec Litter 72/121	JSD	"		✓
"	"	"	♂	2 spec "	"	"		✓
Fletchers ck	"	7 Mar 72	♀	2 spec Litter 72/118	J.McB	"		✓
Redmans ck	"	20 Apr 72	♀	72/131 Scrapings of bark + sooty mould	JCW	"		✓
Flagstaff Biological Res	BR	13 July 72	♀	2 spec Litter 72/165	JSD	"		✓
"	"	"	♂	3 spec "	"	"		✓
Capleton	"	8 Mar 72	♀	Moss 72/111	JCW	"		✓
"	"	"	♂	"	"	"		✓

Adelphithrips nolhofugi

Mae

Mt Algidus 853m	MC	17 Mar 65	♂	Litter 65/277	GWR	NZAC DBORG	✓
Haast Pass	WD	21 Oct 70	♀	mixed cryptogams	D.S. Hornig	"	✓
Waipuna, Grey V	BIR	21 Apr 71	♀	Litter 71/97	JSD	"	✓
Waikaremoana	GB	17 Jan 72	♂	Litter 72/20	GWR	"	✓
Waikaremoana C. Waikaremoana	GB	16 Jan 72	♀	Litter 72/21	"	"	✓
Urewera N. Park	GB	16 Jan 72	♀	Litter 72/21	"	"	✓
Mt. Robinson 520 m	SD	13 Mar 70	♀	^{3 spec} Moss 70/140	JIT	"	✓
Catlins State Forest	SL	20 Jan 72	♀	Litter 72/105	JSD	"	✓
Mt. Somers 610m	MC	2 Feb 76	♀	Litter 76/37	GWR	"	✓
Mt. Stokes 2500'	SD	12 Mar 70	♀	2 spec Litter 70/141	JIT	"	✓
Shakespeare Bay	SD	21 Feb 73	♀	3 spec Litter 73/30	JM ^c B	"	✓
"	"	"	♂	2 spec	"	"	✓
Port Underwood Sdl	SD	Sep 69	♀	6 spec Litter 69/152	GK	"	✓
" 1800'	"	11 Sep 68	♀	2 spec Moss 68/116	JCW	"	✓
Mt. Stokes 760m	SD	18 Mar 70	♂	Moss 70/143	JIT	"	✓
"	"	"	♀	2 spec	"	"	✓
Mt. Donnett 1250m	NW	1 Dec 71	♀	Moss 71/160	GK	"	✓
Mt. Donnett 1250m	NW	1 Dec 71	♀	2 spec. Litter 71/168	GK	"	✓
Owaka	SL	13-20 Jan 78	♀	2 spec. <i>Nothofagus</i> bush Malaise trap in	S&J Pede	"	✓
Makahu Hut 976m	HIB	24 Feb 71	♀	3 spec Litter 71/21	AC Fyles	"	✓
"	"	"	♂	"	"	"	✓

Jan, Feb, Mar, Apr

July

Sep, Oct, Nov

3000'
853 m - 2600'
520 m
610 m 2500' Mt Stokes

Helothrips vt fasciatus

Locality	Code	date	sex	Host Plant	Collector	Depos	Aptenous/ Macropterous
Waikato	AK	10 Jan 41	♀	Radish	D. Spiller	NEAC DSIR	✓
"	"	" 40	♀	"	"	"	✓
"	"	" 40	♀	"	"	"	✓
Gisborne	GB	27 Jan 58	♀	On Tomato	W. Cottier	"	✓
Annesbrook	NN 2	5 Mar 41	♀	Red clover	-	"	✓
Cawthron	NN	20 Mar 41	♀	Red clover	-	"	✓
Palmerston N	WI	Feb 30	♀	Potato foliage	W. Cottier	"	✓
			♀	Grasslds Sarvey ^{SP4 RS 24. P17}	R.A. Cottier	"	✓
			♀	"	"	"	✓
Mangere	AK	19 Nov 74	♀	Dairy Pasture	N.A. Martin	"	✓
Alexandra	CO	16 Feb 76	♀	Sweeping legumes + paddocks	L.L. Dettl	"	✓
Nelson	NN	29 Feb 72	♀	Parke's Farm ^{sweeping} pasture	N.A. Martin	"	✓
"	"	8 Feb 72	♀	" "	"	"	✓
"	"	"	♀	" "	"	"	✓
"	"	"	♀	" "	"	"	✓
"	"	"	♀	" "	"	"	✓
"	"	1 Feb 72	♀	" "	"	"	✓
"	"	21 Dec 71	♀	" "	"	"	✓
"	"	26 Jan 71	♀	" "	"	"	✓
Titirangi	AK	16 Jan 75	♀	Ex Chrysanthimum flowers	N.A. Martin	"	✓
Tekauwhata	WD	23 Feb 76	♀	Sweeping zea ways	R.L. Walt	"	✓
Te Kohi E	MK	27 Jan 76	♀	Beaten from grass ^{seed-pod}	C. Smith	"	✓
Rough I	NN	24 Jan 76	♀	Sweeping grass, harps in	P.K. Walker	"	✓
Blenheim	MB	5 Jan 75	♀	White clover	C. Smith	"	✓
Lincoln	MC	Feb 61	♀	Roses	-	PCNZ Lincoln	✓
Palmerston N	WI	Jan	♀	Potato foliage	J. Cottier	PLNZ PLNZ	✓
"	"	"	"	"	J. Cottier	"	✓
"	"	"	"	"	"	"	✓
Gisborne	GB	5 Mar 64	♀	Gladioli	S. Overbye	PLNZ PLNZ	✓
"	GB	8 Feb 52	♀	2 specimens X Bean	K.P. Lomb	NZAC DSIR	✓

♀'s found Jan, Feb, Mar, Nov, Dec

Distribution: AK, WD, GB, WI, MB, NN, CO, MC

(2) *Heilothrips fasciatus*

Locality	Code	date	sex	plant	Coll	dep	Appt	Mac
Gisborne	GB	7 Feb 51	♀	x Citrus twig	K.P. Lamb	NZAC DSIR		✓
Otara	AK	17 Jan 75	♀	Lupin flower	Crop Reserch	PAWA MAF		✓
Palmerston Nth	WI	5 Nov 34	♀	Potato	D. Todd	NZAC DSIR		✓
Lincoln	MC	13 Jan 78	♀	Causing damage to Lupinus ^{angustifolius}	B.P. Stephenson	"		✓
Nr. Omarama	MK	15 Feb 77	♀	On <i>Daucus carota</i> flowers	T.R. Craig	"		✓
Lincoln	MC	13 Jan 78	♀	Causing damage to Lupinus ^{angustifolius}	B.P. Stephenson	"		✓
Piw Rukakaka	ND	6 Feb 76	♀	Ex pit fall trap under ^{grass} kiksuyu	F. Batterson	"		✓
Mt. Robert	BR	4 Feb 79	♀	Beating <i>Poa</i> sp	A.K.W.	"		✓
Wairau Valley	MB	7 Feb 79	♀s	^{22 specimens} On flowering lucerne	A.K.W.-59	"		✓
Lincoln	MC	29 Jan 79	♂	Sweeping <i>Lupinus angustifolius</i>	B. Harris	"		✓
"	"	"	♂	"	"	"		✓
"	"	22 Jan 79	♂	"	"	"		✓
Earnsclough	CO	10 Oct 79	♀	Suction trap under ^{trees} Muir peach	G. McLaren	"		✓
Tai Tapu	MC	18 Dec 78	♀	Sweeping lucerne	J. Whittman	"		✓
"	"	"	♀	"	"	"		✓
Te Aroha ³⁰⁰⁰	WO	14 Feb 79	♀	2sp. base of tussock	CHM1450	DSIR		✓
"	"	"	♂	"	"	"		✓

Iteobryopsis metalucens

Mac

Mt. Albert	AK	16 Dec 78	♀	Beating ^{africana} Sparmannia leaves	AKW	DS12	✓
"	"	"	♀	"	"	"	✓
"	"	8 Dec 79	♀	Under side ^{africana leaves} Sparmannia	"	"	✓
"	"	"	♀	"	"	"	✓
"	"	"	♀	"	"	"	✓
"	"	"	♀	"	"	"	✓

Anaplo Mrips zelandicus

Apl.

Black Birch Range	MB	17 Feb 70	♀	Moss mats 70/177	GK	NZAC BSHR	✓ Heconys
"	MB	"	♂	" 70/127	"	"	✓ Para
"	"	"	♀	" "	"	"	✓ "
"	"	20 Feb 70	♂	" 70/131	"	"	✓ "
"	"	16 Feb 70	♂	Plants 70/120	"	"	✓ "
"	"	"	♂	" "	"	"	✓ "
"	"	20 Feb 70	♂	Mats 70/130	"	"	✓ "
Roch + Pillar	CO	12 Nov 69	♀	Plants 69/199	JSD	"	✓
ANTIPODES		26 Feb 69	♀	on Coastal plants	GK	"	✓
Grampian Mts	MK	10 Jan 71	♀	Mats 71/6	JCW	"	✓
Dunstan Ra	CO	13 Jan 71	♀	Swards 71/1	JSD	"	✓
CHATHAM IS		7 Feb 74	♀	underground plant	A. Wright	"	✓
" Sister Is		"	♀	"	"	"	✓
" E. Sister I		12 Feb 74	♀	ground plants 74/4	"	"	✓
" East Sister E		12 Feb 74	♂	" "	"	"	✓
Pisa Range	CO	23 Nov 74	♀	Swards 74/101	JSD	"	✓
"	CO	"	♀	"	"	"	✓
"	CO	23 Nov 74	♀	Litter 74/102 5 specimens	"	"	✓
Old Man Range	CO	13 Sep 68	♀	Pure assoc. <i>Racomitrium australianum</i>	JSD	"	✓
Mt. Altimarloch	MB	16 Feb 70	♂/♀	10 specimens Plants 70/120	GK	"	✓
Black Birch Range	MB	13 Feb 70	♂	Litter 70/138	A.C. Fyles	"	✓
Dunstan Range	CO	23 Feb 74	♀	<i>Celmisia</i> litter 74/18	JCW	"	✓
Black Birch Range	MB	16 Feb 70	♂/♀	16 specimens Mats 70/139	A.C. Fyles	"	✓
Dunstan Range	CO	13 Jan 71	♂/♀	14 specimens Moss 71/2	JSD	"	✓
"	"	"	♂/♀	2 spec "	"	"	✓
Mt. Arthur 1341m	NN	22 Mar 71	♀	Mats 71/90	A.C. Fyles	"	✓
"	"	"	♀	"	"	"	✓
Dunstan Ra 1560m 5550'	CO	13 Jan 71	♂	Moss 71/4	JSD	"	✓
Mt. Altimarloch	MB	16 Feb 70	♀	Plants 70/121	GK	"	✓
"	"	"	♀	"	"	"	✓
Mt. Bitterness 1219m	CO	12 Jan 71	♀	Litter 71/16	JSD	"	✓
"	"	"	♀	"	"	"	✓
"	"	"	♀	"	"	"	✓

Anagkistips zelandicus

Lake Sylvester	NN	31 Mar 75	♀ Mats 69/117	JSD	NZAC 25/75	✓
Pouakai Saddle 1220m	TK	3 Dec 75	♂ Litter 75/202	"	"	✓
Mt. Altmanlock	MB	16 Feb 70	♀ Mats 70/126	GK	"	✓
"	"	"	♂ Mats 70/123	"	"	✓
"	"	"	♀ Mats 70/125	"	"	✓
"	"	"	♀ "	"	"	✓
Black Birch Exp Stn 4600'	MB	20 Feb 70	♂ Mats 70/131	"	"	✓
"	"	"	♀ "	"	"	✓
Mt. Bitterness 1219m	CO	12 Jan 71	♂ Litter 71/16	JSD	"	✓
"	"	"	♀ "	"	"	✓
The Hump	TK	2 Dec 75	♀ Litter 75/199	"	"	✓
Dunstan Ra 1560m	CO	13 Jan 71	♀ Moss 71/4	"	"	✓
"	CO	"	♂ "	"	"	✓
"	"	"	♂ "	"	"	✓
"	"	"	♀ "	"	"	✓
Black Birch Exp Stn 5550'	MB	20 Feb 70	♀ ¹ Mats 70/131	GK	"	✓
Mt. Altmanlock	MB	16 Feb 70	♀ ² Mats 70/126	"	"	✓
"	"	"	♀ ³ "	"	"	✓
Dunstan Ra	CO	13 Jan 71	♂ ^M Moss 71/4	JSD	"	✓
Black Birch Ra	MB	20 Feb 70	♀ ² Mats 70/131	GK	"	✓
"	"	"	♀ ³ "	"	"	✓
The Hump Plateau	TK	2 Dec 75	♀ Litter 75/199	JSD	"	✓
Mt. Altmanlock	MB	16 Feb 70	♀ Mats 70/125	GK	"	✓
Black Birch Exp Stn	"	20 Feb 70	♀ ⁴ Mats 70/131	"	"	✓
Mt. Altmanlock	"	16 Feb 70	♀ ⁵ Mats 70/123	"	"	✓
Black Birch Ra 4600'	"	"	♀ ⁶ Sweeping grass	ACE	"	✓
Pouakai Saddle 1220m	"	3 Dec 75	♂ Litter 75/202	JSD	"	✓
"	"	"	♂ "	"	"	✓
Dunstan Ra 1560m 1778m	CO	13 Jan 71	♀ Moss 71/4	JSD	"	✓
Mt Arthur Summit	NN	22 Mar 71	♀ Mats 71/79	J.M.B. Berry	"	✓
Dunstan Ra 1560m	CO	13 Jan 71	♀ Moss 71/4	JSD	"	✓
"	"	"	♀ "	"	"	✓
Black Birch Exp Stn	MB	20 Feb 70	♀ ⁶ Mats 70/131	GK	"	✓

Location	Collector	Date	Sex	Material	Collector	NZAC DSHR	Appt.
Black Birch ExpStn	MB	20 Feb 70	♀	Mats 70/131	GK	"	"
"	"	"	♀	"	"	"	"
"	"	"	♀	"	"	"	"
Mt. Altamarloch 1700m	"	16 Feb 70	♂	Mats 70/125	"	"	"
Dunstan Ra 1560m	CO	13 Jan 71	♀	Swards 71/1	JSD	"	"
Mt. Altamarloch 5550'	MB	16 Feb 70	♀	Mats 70/123	GK	"	"
Pouakai Saddle ^{1220m}	TK	3 Dec 75	♀	Litter 75/202	JSD	"	"
Mt. Altamarloch	MB	16 Feb 70	♀	Mats 70/126	GK	"	"
Pouakai Saddle	TK	3 Dec 75	♀	Litter 75/202	JSD	"	"
"	"	"	♂	"	"	"	"
Antipodes Islands	Subant	26 Feb 69	♀	^{15 specimens} plants 69/69	GK	"	✓
"	"	"	♂	" ^{4 specimens}	"	"	✓
"	"	28 Feb 69	♀	Mat plants 69/70	GK	"	✓
"	"	"	♀	"	"	"	✓
Headlong Pl. Mts NP Dart Valley 1524m	OL	20 Feb 80	♀	^{12 specimens} Alpine plants + grasses 80/26	JSD	"	✓

Anapho Etryps obscurus
(Müller)

Locality	Code	Date	Sex	Host Plant	Collector	Deposit	Apt	Mae
Parkes Valley ✓	NN	18 Dec 69	♀	Sweep (pasture?)	N.17. Manton	NZAC DSIR		✓
" ✓	"	"	♀	"	"	"		✓
"	"	29 Dec 70	♀	SWEEP -	"	"		✓
"	"	"	♂♂ ♀ (specimen damaged)		"	"		✓
"	"	"	♀	-	"	"		✓
"	"	22 Dec 70	♀	-	"	"		✓
"	"	"	♀	-	"	"		✓
"	"	19 Nov 70	♀	-	"	"		✓
"	"	18 Dec 69	♀	Sweep net 2	"	"		✓
"	"	8 Feb 72	♂♂s	Sweep 115 specimens	"	"		✓
"	"	"	♀♀s	" 13 "	"	"		✓
"	"	"	♂♂s	" 9 "	"	"		✓
Riverhead	ARK	31 Dec 74	♀	Sweep net pasture	"	"		✓
Mangere	ARK	19 Nov 74	♀	X Dairy pasture	"	"	brachypterous	
Riverhead	ARK	17 Dec 74	♀	X Pasture	"	"		✓
"	"	"	♀	"	"	"		✓
"	"	"	♀	"	"	"	brachypterous	
Parkes Farm ✓	NN	1 Feb 72	♂♂s	Sweep 17 specimens	"	"		✓
"	"	21 Nov 72	♀	Sweep	"	"		✓
"	"	15 Feb 72	♂♂s	Sweep 6 specimens	"	"		✓
"	"	8 Feb 72	♀♀s	" 14 "	"	"		✓
"	"	"	♀♀	" 13 "	"	"		✓
"	"	12 Dec 70	♂♂	- 13 "	"	"		✓
" ✓	"	1 Feb 72	♂♂	Sweep 16 "	"	"		✓
" ✓	"	"	♀♀	" 14 "	"	"		✓
" ✓	"	"	♂♀	" 3 "	"	"		✓
" ✓	"	"	♀♀	" 19 "	"	"		✓
"	"	25 Jan 72	♂♀	" 1 "	"	"		✓
"	"	29 Feb 72	♀	" 1 "	"	"		✓
"	"	8 Feb 72	♂♀	" 14 "	"	"		✓
"	"	"	♀♀	" 14 "	"	"		✓
"	"	"	♀♀	" 11 "	"	"		✓
" ✓	"	1 Feb 72	♀♀	" 18 "	"	"		✓

Locality	Code	Date	Sex	Host Plant	Collector	Deposit	Apl	Mac
Park's Farm Wairarapa ✓	NN	1 Feb 72	♀♀	Sweep 9 specimens	N.A. Martin	NEAC DSR		✓
" ✓	"	"	"	" 15	"	"		✓
" ✓	"	"	"	" 17	"	"		✓
"	"	29 Jan 72	♀	" 1	"	"		✓
"	"	25 Jan 72	♀	" 1	"	"		✓
"	"	18 Jan 72	♀♀	" 3	"	"		✓
"	"	21 Jan 71	♀♀	" 10	"	"		✓
"	"	"	♀	" 1	"	"		✓
"	"	18 Dec 69	♀♀	Sweep 2/8	"	"		✓
"	"	"	♀♀	" 17	"	"		1 brachypterus
"	"	"	♀♀	" 6	"	"		✓
"	"	"	♀♀	" 3	"	"		✓
Wakamarina V	MB	10 Feb 67	♀	Moss open pasture 67/81	JIT	"		✓
Whatawhata	WO	21 Jan 76	♀	Sweep rye/clover pasture	R.L. HAIN	"		✓
Tapora	AK	19 Jan 76	♀	" Zea mays	"	"		✓
"	"	"	"	"	"	"		✓
Pokuru	WO	24 Feb 76	♀	"	"	"		✓
Ruawaro	WO	19 Jan 76	♀	Sweep rye/clover pasture	"	"		✓
Tangowhine	ND	29 Jan 76	♀	" "	"	"		brachypterus
Ruakaka	ND	27 Jan 76	♀	Sweeping Zea mays	"	"		✓
Dairy Flat	AK	27 Jan 76	♀	Sweeping mixed pasture	"	"		brachypterus
"	"	"	♀	"	"	"		"
"	"	"	♀	"	"	"		Mac
"	"	"	♀	"	"	"		brachy
Rangiriri	WO	23 Feb 76	♀	Sweep Zea mays	"	"		Brachy
Hikurangi	ND	2 Mar 76	♀	"	"	"		Mac
Zukamomere	WO	21 Jan 76	♀	Sweeping pasture	"	"		Mac
"	"	"	♀	"	"	"		✓
Naitakaruru	AK/wo	23 Feb 76	♀	Sweep rye/clover pasture	"	"		✓
Cambridge	WO	21 Jan 76	♀	"	"	"		✓
Redhill	ND	27 Jan 76	♀	Sweep kikuyu pasture	"	"		brachy
"	"	"	♀	"	"	"		Mac
Whatawhata	WO	21 Jan 76	♀	Sweep rye/clover pasture	"	"		✓

Locality	Code	Date	Sex	Host plant	Collector	Deposit		Mac.
						Host	Other	
Te Kauwhata	WO	23 Feb 76	♀	Sweep. Zea mays	R.L. Hill	NZAC		✓
Paterangi	WO	21 Jan 76	♀	" ryegrass pasture	"	✓		✓
Helensville	AK	19 Jan 76	♀	Sweep pasture	"	✓		✓
Hikurangi	ND	27 Jan 76	♀	" rough kikuyu pasture	"	✓		brac
Chatham		12 Feb 67	♀	Sedges in seepage area berries	E.W. Valentine	✓	sent 1 slide to Mound for conf.	Mac
Ōtaki forks		9 Dec 65	♀	Beaten fr supplejack	A. Ward			brac
Palmer Nth	WI	19 12 56	♀	Ryegrass	D. Manson	✓		brac
"	"	"	♀	"	"	"		brac
"	"	"	♀	"	"	"		Mac
"	"	"	"	"	"	"		✓
"	"	"	"	"	"	"		✓
"	"	"	"	"	"	"		✓
Wellensville	AK	19 Jan 76	♀	Sweep pasture	R.L. Hill	NZAC		✓
Te Pahi Stn	ND	7 Feb 75	♀	" long grass under ^{tree} Eucalyptus	A.W.	"		✓
"	"	"	♀	"	"	"	WA	Brac
Black Birch Ra	MB	17 Feb 70	♀	-	A.C. Eyles	"		Brac
Te Pahi Stn	ND	7 Feb 75	♀	Sweep long grass under etc	A.W.	"		Brac
Black Birch Ra	MB	20 Feb 70	♀	Moss + mat plants 70/131	G. Kuestel	"		Mac
Chatham I		12 Feb 67	♀	Sedges in seepage area	E.W. Valentine	"		"

♀s Jan Feb, Mar

Nov Dec

No ♂s

Mac ♀s examined 283

Brachy ♀s 15

NI: AK, WO, ND, WI also Chatham Islands

SI: MB

Riverhead	AK	31 Dec 74	♀	Sweep mt pasture	N.H. Martin	NZAC		✓
Buchland	AK	8 Jan 75	♀	x Solanum nigrum	"	"		✓
Invercargill	SL	15 Mar 77	♀	Sweeping brown top ^{meadow} foxtail	A.K. Wether	"		Brac
Buchland	AK	8 Jan 75	♀	x Solanum nigrum	N.H. Martin	"		✓

1 specimen from Black Birch Range MB 20 Feb 70 G.K. Moss + mat plants 70/131 sent to Mound for confirmation - only one occurring outside grass/pasture

Locality	Code	date	sex	plant	Septect	Depos	Apt	Mac
Parlis Farm	NN	18 Mar 71	♀	Turf sample 15	NA Martin	NZAC DSIR		✓
"	"	22 Feb 72	♀	sweeping pasture	"	"		✓
"	"	"	♀	"	"	"		✓
"	"	"	♀	"	"	"		✓
"	"	"	♀	"	"	"		✓
Christchurch	MC	1952	♀	X Swede	P.K. Lamb	"		✓
Woodhill	AK	6 Jan 77	♂	Sweep over pasture	R. Hill	"		✓
Invercargill	SL	15 Mar 77	♀	Sweep brown top, ^{fox tail} (medow)		"		✓
T9			♀	Fodder Crop 121	A.C. Eyles			✓
Ruakaka	ND	6 Feb 76	♀	Ex pit fall trap under Kikuyu grass		"		✓
Lower Wairau Valley	MB	7 Feb 79	♀	On flowering lucerne		"		✓
Oporuni Saddle	SD	28 Jan 79	♀	Beat. <i>Cep. robusta</i> foliage		"		✓
Dunstan Ra	CO	13 Jan 71	♀	Moss 71/2		"		✓
Mt. Robert 3300'	BR	4 Feb 79	♀	In grass habitat		"		✓
Wattle Bay	AK	24 Feb 77	♀	Sweeping among <i>Coorea</i> sp		"		✓
McKenzies Bush		4 June 66	♀	Litter		NZAC DSIR		✓
Nr. Palmerston	JN	19 Feb 76	♀	Sweeping	L.L. Ditz	"		✓
Kaiangarda	ND	16 Dec 75	♀	sweeping roadside herbage	D.J. Allan	"	micro	✓
Woodhill	AK	6 Jan 77	♀	sweeping pasture	"	"	micro	✓
"	"	"	♀	"	"	"	micro	
"	"	"	♀	"	"	"	micro	
"	"	"	♀	"	"	"	"	
"	"	"	♀	"	"	"	"	
Kaiangarda	ND	16 Dec 75	♀	sweeping roadside herbage	"	"		✓
"	"	"	♀	"	"	"	micro	
"	"	"	♀	"	"	"		✓
"	"	"	♀	"	"	"	micro	
"	"	"	♀	"	"	"	"	
"	"	"	♀	"	"	"	"	
"	"	"	♀	"	"	"	"	
Redhill	ND	18 Feb 76	♀	pit fall trap under ^{pasture} Kikuyu	F. Butcher	"	"	
Woodhill	AK	6 Jan 77	♀	sweeping pasture	D.J. Allan	"	"	
"	AK	"	♀	"	"	"	"	
"	"	"	♀	"	"	"	"	

Anaphothrips obscurus

								Mac
Woodmill	AK	6 Jan 77	♂	Sweeping pasture	D.J. Allan	NZAC DSIR	micro	
"	"	"	♀	"	"	"	"	
"	"	"	♀	"	"	"	"	
"	"	"	♀	"	"	"	"	
"	"	"	♀	"	"	"	"	
Wattle Bay	AK	24 Feb 77	♀	Sweeping mainly Carex species	T.A. Holroyd	"		✓
Willies Pools	TK	22 Feb 77	♀	Moss 77/33	B.H. May	"		✓
"	"	"	♀	"	"	"		✓
?	?	?	♂	Spec Grassland survey			" " " "	
			♀	Specimens SP. 9 37.P.A.	R.A. Cumber	NZAC DSIR		✓
?		?	♂	3	"	"		✓

①

Hnaphothrips woodii

Locality	Code	date	sex	plant	coll	dep.	Ap. Mac.
Old Man Range	CO	24 Feb 74	♀	Litter debris 74/11	JCL WDR	NZAC JSDR	✓
Canon CK	MB	3 Feb 71	♀	Mat plants 71/19	JSD	"	✓
Simonin Pass	WD	23 Jan 75	♀	Nolophagus litter 75/37	GWR	"	✓
Tempest Spur	WD	29 Jan 75	♀	Chionochloa litter 75/58	JSD	"	✓
L Sylvester	NN	31 Mar 69	♀	Litter 69/122	JCW	"	✓
Black Birch Ra	MB	16 Feb 70	♀	Mats 70/139	ACEyles	"	✓
Johnson Pk	NN	13 Mar 69	♀	Mats 69/92	JSD	"	✓
Dunstan Ra	CO	13 Jan 71	♀	Litter 71/11	JSD	"	✓
Mt Altmarlock ^{5500'}	MB	16 Feb 70	♀	Plants 70/121	GK	"	✓
Matura V	OL	17 Jan 71	♀	Moss 71/17	JSD	"	✓
Tempest Spur ^{1463m}	WD	30 Jan 75	♀	Alpine swards 75/46	GWR	"	✓
Mt. Allison	FD	4 Feb 75	♀	Swards 75/52	JSD	"	✓
Rock & Pillar Ra	CO	13 Nov 69	♀	Swards 69/208	JMCB	"	✓
Mt. Bitterness	CO	12 Jan 71	♀	Litter 71/16	JSD	"	✓
Middle Basin Tutoko	FD	14 Jan 77	♀	Swards 77/11	JSD	"	✓
Johnson Pk.	NN/MB	13 Mar 69	♀	Litter 69/93	JSD	"	✓
Tutoko	FD	14 Jan 77	♀	Swards 77/9	JSD	"	✓
Cascade Face	WD	29 Jan 75	♀	Tussock litter 75/40	GWR	"	✓
Mt. Hutt	MC	12 Dec 73	♀	Mats 73/143	GK	"	✓
Black Birch Ra	MB	20 Feb 70	♀	Mats 70/132	GK	"	✓
Mt. Arthur	NN	14 Nov 69	♀	Mat plants 69/219	JIT	"	✓

NN, MB, MC, WD, CO, OL, FD

Mt. Murphy 5994'	MB	20 Mar 68	♀	Moss 68/83	JIT	"	✓
Black Birch Ra	MB	13 Feb 70	♀	Litter 70/138	ACEyles	"	✓
Rainbow Saddle	MB	3 Feb 71	♀	Litter 71/20	JIT	"	✓
"	"	"	♀	"	"	"	✓
Mt Dewar 1697m	BR	2 Dec 69	♀	moss etc 69/240	"	"	✓
Dunstan Range ^{1585m}	CO	13 Jan 71	♀	Swards 71/3	JSD	"	✓
"	"	"	♀	"	"	"	✓
"	"	"	♀	"	"	"	✓
Pouakai Trig	TK	3 Dec 75	♀	Boea & Gaudheria swords 75/206	JSD	"	✓

Anaphalorhynchus woodii

				75/206		NZAC	
Pouakai Trig	TK	3 Dec 75	♀	Poa + Gautheria swords	JSD	JSTZ	apt
"	"	"	♀	"	"	"	✓
"	"	"	♀	"	"	"	✓
"	"	"	♀	"	"	"	✓
Old Man Range	CO	24 Feb 74	♀	Litter 74/11	JSD	"	✓
Mt. Ahtinarlocke ^{5550'}	MB	16 Feb 70	♀	Mats 70/126	GK	"	✓
"	"	"	♀	"	"	"	✓
Dunstan Ra 1524m	CO	13 Jan 71	♀	Litter 71/11	JSD	"	✓
"	"	"	♀	"	"	"	✓
Mt Ahtinarlocke	MB	16 Feb 70	♀	Mats 70/125	GK	"	✓
"	"	"	♀	"	"	"	✓
Mt. Bitterness ^{1219m}	CO	12 Jan 71	♀	Litter 71/16	JSD	"	✓
Mt. Arthur 4000'	NN	14 Nov 69	♀	Litter 69/217	B.M. May	"	✓
"	"	"	♀	"	"	"	✓

Anaphothrips spittleri ^{dubius}
Grewford

Locality	Code	Date	Sex	Host Plant	Collector	Deposit	Apt	Mac
Mt Albert	AK	13 Dec 75	♂	<i>Althaea rosea</i> (hollyhock)	AKW	NZAC DSTR		✓
"	"	"	♀	"	"	"		✓
Nelson	NN	8 Feb 73	♀	Cape Gooseberry	N.A. Martin	" PLNZ		✓
Sunnythorpe	RI	8 Sep 63	♀	Anemones	M. Eales	bevic NZAC		✓
Mt. Albert	AK	22 Feb 77	♂	On <i>Althaea rosea</i> leaves (hollyhock)	AKW	DSTR		✓
"	"	"	♀	"	"	"		✓
Wattle Bay	AK	26 Feb 77	♀	Surveying mainly <i>Carex</i> sp.	B.A. Holloway	"		✓

Sunnythorpe = Bunnythorpe

Little Barrier I	CL	22 Feb 76	♂	On <i>Cucurbita</i>	AKW	NZAC DSTR		✓
"	CL	"	♀	On <i>Althaea rosea</i> (hollyhock)	AKW	NZAC DSTR		✓
Mt Albert	AK	18 Nov 78	♀	underside <i>Sparmannia africana</i> leaves	AKW	"		✓
"	"	"	"	"	"	"		✓
"	"	"	♀	(honesty) underside of <i>Lunaria annua</i> leaves	"	"		✓
"	"	"	♀	" <i>Althaea rosea</i> leaves	"	"		✓
Lower Mairangi	MB	7 Feb 77	♀	On flowering <i>Lycomorpha</i>	AKW-59	"		✓
Mt. Albert	AK	8 Jun 79	♀	x <i>Solanum nigrum</i>	N.A. Martin	"		✓

Anaphothrips varii

Bpt. Mac

Spirits Bay

ND

3 Dec 77 ♀

Sweep net in grazed area

PHCW

NZAC
DSHR

✓

Anaphrygmodonops otagenus

Location	Collector	Date	Sex	Trap Type	Collector	Specimen Type	Microscopic
Waipori 520m	col	2-16 Jan 79	♀	pit fall trap in tussock B	T.B. & P. Bennett	HOLOTYPE NEAC 6512	mic
"	"	"	♀	"	"	PARATYPE	✓
"	"	5-19 Dec 78	♀	pit fall trap in tussock B	"	"	✓
"	"	19 Dec - 2 Jan 79	♀	pit fall trap in tussock	"	"	✓
"	"	2-16 Jan 79	♀	pit fall trap in tussock B	"	"	✓
"	"	19 Dec - 2 Jan 79	♀	"	"	"	✓
"	"	2-16 Jan 79	♀	"	"	"	✓
Mt. Murphy 5994'	MB	20 Mar 68	♀	Class 68/83	JIT	paratype not &	✓

Hypocentrops scutigera
Tyrbom

1

Locality	Code	Date	Sex	Host plant	Collector	Deposit	Apt	Mac
Greenhithe	AK	1 Nov 57	♀	Pumpkin	W. Cottier	NZAC DSTR	✓	
"	"	"	♀	"	"	"	✓	
"	"	"	♀	"	"	"	✓	
"	"	"	♀	"	"	"	✓	
Avondale	AK	-	♀	-	D. Spiller	"	✓	
"	"	-	♀	-	"	"	✓	
"	"	-	♀	-	"	"	✓	
Buckland	AK	11 Jan 59	♀	Dahlia	F.C. McCullough	"	✓	
"	"	21 Nov 48	♀	x Clover	K.P. Lamb	"	✓	
"	"	20 Nov 45	♀	x Gorse	J. Yates	"	✓	
"	"	"	♀	"	"	"	✓	
Greenhithe	AK	1 Nov 51	♀♀	x Pumpkin	6 specimens	W. Cottier	"	✓
"	"	"	♀♀	"	6 "	"	"	✓
"	"	"	♀	Pumpkin	"	"	"	✓
Grasslands Survey			♀♀	SP8 508-PA	4 specimens	R.A. Cumber	"	✓
Mangere	AK	19 Nov 74	♀♀	Dairy pasture	4 specimens	N.A. Martin	"	✓
"	AK	"		"	4 nymphs	"	"	✓
"	"	"	♀	"	"	"	"	✓
"	"	"	♀	"	"	"	"	✓
"	"	"		"	2 nymphs	"	"	✓
"	"	"	♀♀	"	4 specimens	"	"	✓
Riverhead	AK	31 Dec 74	♀	Sweep pasture	"	"	"	✓
Parks Farm	NN	5 Dec 72	♀	Sweep	"	"	"	✓
"	"	28 Nov 72	♀	"	"	"	"	✓
"	"	24 Nov 72	♂	"	"	"	"	✓
"	"	14 Nov 72	♂	"	"	"	"	✓
"	"	"	♀♀	"	2 specimens	"	"	✓
"	"	7 Nov 72	♀	"	"	"	"	✓
"	"	24 Oct 72	♀	"	"	"	"	✓
"	"	18 Jan 72	♀	PT 3	"	"	"	✓
"	"	28 Dec 71	♀	Sweep	"	"	"	✓
"	"	22 Nov 70	♀	-	"	"	"	✓
Waipoua	ND	5 Feb 75	♀	Sweep veg on beach	R.K. Walker	"	"	✓

Locality	Code	Date	Sex	Host plant	Collector	Deposit	Apt.	Mac
Mangere	AK	19 Nov 74	♀	Dairy pasture	N.P. Martin	NZAC DSIR	✓	
Riverhead	AK	31 Dec 74	♀	Sweep in pasture	"	"	✓	
"	"	"	♀	"	"	"	✓	
Puterangi	WO	21 Jan 76	♀	Sweep rye/clover pasture	"	"	✓	
Karekare	AK	3 Oct 76	♀	Sweeping lupin	AKW	"	✓	
Ruakaka	ND	24 Mar 76	♀	Sweep Medicago sativa	R.L. Hill	"	✓	
Whataukata	WO	21 Jan 76	♀	Sweep rye/clover pasture	"	"	✓	
Hikurangi	ND	27 Jan 76	♀	Sweep rough kikuyu pasture	"	"	✓	
C. Foulwind	BR	29 Oct 70	♀	Sweep grasses	Ent. Dept.	LCNZ Lincoln	✓	
Te Kauwhata	WO	23 Feb 76	♀	Sweep Zea mays	R.L. Hill	NZAC DSIR	✓	
Cambridge	WO	21 Jan 76	♀	Sweep rye/clover pasture	"	"	✓	
Waitakaruru	AK/wo	23 Feb 76	♀	"	"	"	✓	
Ruawaro	WO	19 Jan 76	♀	"	"	"	✓	
Kaikōhe	ND	24 Mar 76	♀	Sweep kikuyu pasture	"	"	✓	
Beachlands	AK	20 Nov 45	♀	On gorse	J.W. Campbell	"	✓	
Little Barrier I	CL	21 Feb 76	♀	Sweep coastal scrub	AKW	"	✓	
"	"	"	♀	"	"	"	✓	
Levin	WN	16 Dec 71	♀	Carnations	H. Gordon	PLNZ Levin	✓	
Waitarere	WN	Dec 71	♀	Phalaris tuberosa	-	"	✓	
"	"	"	♀	"	-	"	✓	
"	"	"	♀	"	-	"	✓	
"	"	"	♀	"	-	"	✓	
"	"	"	♀♀	" 3 specimens	-	"	✓	
"	"	"	♀	"	-	"	✓	
"	"	"	♀	"	-	"	✓	
"	"	"	♀	"	-	"	✓	
Beachlands	AK	20 Dec 45	♀	On Gorse	J. Campbell	"	✓	
Dannevirke	RY WFA	19 Dec 75	♀♀	White Subterranean clover 5 specimens	F.F. Rainbow	"	✓	
"	"	"	♀♀	" 5 specimens	"	"	✓	
Palmerston N.	WI	9 Jan 74	♀♀	Caranilla varia 2 spec.	HC. Lambrechtsen	"	✓	
Murupara	TO/BP	1 Feb 67	♀	Lucerne	R. Sherlock	"	✓	
Beachlands	AK	12 Dec 45	♀	On Gorse	J. Campbell	"	✓	

Locality	Code	Date	Sex	Host Plant	Collector	Deposit	Apt.	Mac
Te Pangu	SD	17 Feb 64	♀	Clover	D. Manson	PLNZ Levin	✓	
"	"	"	♀	"	"	✓	✓	
Hawkes bay	HB	18 Dec 56	♀	Clover seed heads	"	✓	✓	
"	"	"	♀	"	"	"	✓	
"	"	"	♀	" nymphs	"	✓	✓	
Palmerston Nth	WI	31 Jan 57	♀	Ryegrass	"	✓	✓	
Staki forks Rd	WN	9 Dec 65	♀	Beaten foxglove flowers	A Ward	"	✓	
Raglan	WO	Nov 51	♀	X Pasture	K.P. Lounsb	Reb. BMNH	✓	
Chatham Islands		22 Jan 75	♀	Litter fr. Puffinus griscus 75/32	E. Young	NZAC DSHR	✓	
"		12 Feb 67	♀	Shortveg. in wet sand	E.W. Valentine	"	✓	

NI: AK, ND, WO, CL, WN, RI/WA, TO/BP, WI, HB,
SI: BR, SD,

All apterous ♀s examined 107 adults
Jan, Feb, Mar Oct, Nov, Dec,
Nymphs found Nov, Dec,

Chatham I		21 Jan 75	♀	<u>chathamensis Hedging</u> Ex Pelecanoides urinatrix	E.C. Young	NZAC DSHR	✓	
"		4 Mar 67	♀	Ryegrass pasture	E.W. Valentine	"	✓	
"		12 Feb 67	♀	Short vegetation in wet sand	"	"	✓	
"		1 Mar 67	♀	Pimelia aranaria	"	"	✓	
Warkworth	AK	17 Dec 75	♀♂	2 spec. X Lucerne	Armstrong	MAFF	✓	
Rukuhia	WO	14 Sep 76	♀	1 spec X Medicago sativa	Newman	"	✓	
Hushings	HB	24 Dec 76	♀	4 " X Lucerne	Bikey	"	✓	
Kaikoko	ND	26 Nov 76	♀	3 " X Medicago sativa	Dawson	"	✓	
Rukuhia	WO	14 Sep 76	♀	4 " " "	Newman	"	✓	
Invercargill	SL	15 Mar 77	♀	On leaves of leeks (Allium porrum)	AICW	NZAC DSHR	✓	
Lee Valley	WN	22 Mar 77	♀	Sweep. cocksfoot & browntop	"	"	✓	
Invercargill	SL	15 Mar 77	♀	Sweeping lucerne	"	"	✓	
"	"	"	♂	"	"	"	✓	
"	"	"	♀	"	"	"	✓	
"	"	"	♀	On leeks (Allium porrum)	"	"	✓	
"	"	17 Mar 77	♂	Sweep. flowering red clover in wetsand	"	"	✓	

Locality	Code	date	sex	plant	Collector	Deposit	Dept	Mac
Turungaiti	SL	16 Mar 77	♀	Beating Prunus tree foliage	AKW	NZAC DSR	✓	
"	"	15 Mar 77	♀	Sweep. brown top + meadow foxtail	"	"	✓	
Ahiamuri	TO	29 Sep 77	♀	X Medicago sativa	Gordon	MAF	✓	
"	"	"	larva	"	"	"	-	
Hastings	HTB	2 Dec 77	♂ + ♀	♀ specinus X Lucerne	Glenny	MAF	✓	
Blenheim	MB	14 Nov 51	♀	X White Clover (Volunteer)	J.S. Dainlin	NZAC DSR	✓	
"	"	- Nov 51	♀	2 specimens "	"	"	✓	
"	"	"	♂ + ♀	"	"	"	✓	
"	"	"	♂ + ♀	"	"	"	✓	
Beachlands	AK	20 Nov 45	♀	Ex Gorse	J.W. Campbell	"	✓	
Ruakura	WO	2 Feb 78	♀	In curled lucerne leaves	E. McKenzie	"	✓	
"	"	"	♀	"	"	"	✓	
Ruakaka	ND	6 Feb 76	♀	Ex pit fall trap under Kikuyu grass	F. Baker	"	✓	
"	"	"	♀	"	"	"	✓	
Teluka ridge	ND	3 Dec 77	♀	Sweeping manuka scrub	A.K. Walker	"	✓	
Otakanini	AK	24 May 77	♀	Sweeping lucerne	O. Green	"	✓	
Taylor's Pass 750'	MB	7 Feb 79	♂ + ♀	13 specimens Base of Juncus, seepage area	LAM-1418 AKW-52	"	✓	
Cape Campbell	KA	"	♂ + ♀	13 specimens tussock ridge base	AKW-58	"	✓	
Whakapu	AK	24 Feb 79	♂ + ♀	6 sp. Base of Juncus	LAM-1503 AKW-66	"	✓	
Opouni Saddle	SD	28 Jan 79	♀	On C. robusta foliage	AKW-2	"	✓	
Kaiangarda	ND	16 Dec 75	♀	Sweeping roadside herbage	D.J. Allen	"	✓	
Tai Tapu	MC	18 Dec 78	6 ♀	sweeping lucerne	J. Wightman	"	✓	
"	"	"	6 ♀	"	"	"	✓	
"	"	"	6 ♀	"	"	"	✓	
"	"	"	3 ♀	"	"	"	✓	

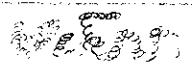
17/10/77 - 11/1/78
NZAC

17/10/1972 (Holiday)

Locality	Code	date	sex	Host Plant	Collector	Deposit	Apt	Mac
Molesworth	MB	19 Mar 68	♀	Litter 68/79	JIT	NZAC 5573	✓	
Takaka V	FD	11 Dec 72	♀	Litter 72/271	A.C. Eyles	"	✓	
Hokonui Hills	SL	2 May 68	♂	" 68/103 1200'	JC Ward	"	✓	
Howard V	BR	7 Oct 68	♀	Moss 68/139	JIT	"	✓	
Molesworth	MB	19 Mar 68	♀	Litter 68/79	JIT	"	✓	
Grasslands Survey			♀♂	SD10, 49 P17 6 specimens	R.A. Curbed	"	✓	
Parks Farm	NN	8 Feb 72	♂	Sweep + nymphs	N.A. Marshall	"	✓	
Wakamania V	MB	10 Feb 67	♀	Moss open pasture 67/81	JIT	"	✓	
Lammermoor Pa	CO	9 Sep 68	♀	Moss 68/120	JSD	"	✓	
Parks Farm	NN	16 May 72	♀	x Turf	N.A. Marshall	"	✓	
Nr. Wards Pass	MB	19 Mar 68	♀	Moss 68/80 4000'	JIT	"	✓	
Palmiston Nth	W1	1954	♀	x Cocksfoot	M. Johnston	"	✓	
Ashburton	MC	27 Feb 59	♀	Cocksfoot seed + pupa	-	"	✓	
Parks Farm	NN	14 Nov 72	♀	Sweep + nymph	N.A. Marshall	"	✓	
"	"	1 Feb 72	♀	" 2♀ + 6 N	"	"	✓	
"	"	21 Nov 72	♀♀	" 4♀ + 2 N	"	"	✓	
"	"	4 Apr. 72	♀	" 2♀ + 5 N	"	"	✓	
"	"	11 Apr 72	♂	" 4♀ 31 N	"	"	✓	
"	"	8 Feb 72	♀	" 14♀	"	"	✓	
"	"	8 Feb 72	♀	" 16♀	"	"	✓	
"	"	1 Feb 72	♀	" 22♀	"	"	✓	
"	"	"	♀	" 11♀	"	"	✓	
"	"	25 Jan 72	♀	" 1♀	"	"	✓	
"	"	18 Jan 72	♀	" 5♀	"	"	✓	
"	"	"	♀	" 6♀	"	"	✓	
"	"	28 Mar 72	♀	" 1♀ 2 N	"	"	✓	
"	"	21 Mar 72	♀	" 4♀	"	"	✓	
"	"	29 Feb 72	♀	" 2♀	"	"	✓	
"	"	22 Feb 72	♀♀	" 12♀	"	"	✓	
"	"	15 Feb 72	♀	" 16♀	"	"	✓	
"	"	"	♀	" 20♀	"	"	✓	
"	"	"	♀	" 17♀	"	"	✓	
"	"	"	♀	" 21♀	"	"	✓	

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Locality	Code	date	Sex	Host plant	Collector	Deposit	Apt	Mac
Parkes Farm	NN	31 Oct 72	♀	Sweeping	N.A. Marston	NZAC DSTR	✓	
"	"	25 July 72	♀	"	"	"	✓	
"	"	23 May 72	♀	" 4♀ 1N	"	"	✓	
Kaurau Gorge	CO	25 Nov 74	♀	Litter 74/93	J.C. Wood	"	✓	
88 Valley Parkes Farm	NN	28 Dec 71	♂	Pit Trap	N.A. Marston	"	✓	
Parkes " Farm	"	"	♂	Sweep	"	"	✓	
"	"	"	♀	" 3♀	"	"	✓	
"	"	"	♀	" 5♀	"	"	✓	
"	"	"	♀	" 4♀	"	"	✓	
"	"	"	♀	" 4♀	"	"	✓	
"	"	"	♀	" 4♀	"	"	✓	
"	"	"	♀	" 5♀	"	"	✓	
"	"	30 Nov 71	♀	" 25 4♀	"	"	✓	
"	"	11 Jan 72	♀	" 131♀	"	"	✓	
"	"	11 Jan 72	♀	" 26♀	"	"	✓	
"	"	"	♀	" 27♀	"	"	✓	
"	"	4 Jan 72	♀	" 84 51♀	"	"	✓	
"	"	"	♀	" 7♀	"	"	✓	
"	"	"	♀	" 4♀	"	"	✓	
"	"	"	♀	" 2♀	"	"	✓	
"	"	"	♀	" 7♀	"	"	✓	
"	"	6 Jan 72	♀	" 1♀	"	"	✓	
"	"	8 Feb 72	♀	" 118♀	"	"	✓	
"	"	"	♀	" 17♀	"	"	✓	
"	"	18 Feb 71	♀	Turf 35♀	"	"	✓	
"	"	"	♀	(Turf) 1♀	"	"	✓	
"	"	21 Jan 71	♀	T (Turf) 1♀	"	"	✓	
"	"	"	♀	T Turf 1♀	"	"	✓	
"	"	"	♀	T Turf 2♀	"	"	✓	
"	"	12 Dec 70	♀	- 3♀	"	"	✓	
"	"	3. Nov 70	♀	Emergence Trap ET 4♀	"	"	✓	
"	"	11 Nov 66	♀	Turf ET 1♀	"	"	✓	
Tomarata	WN	18 Sep 74	♀	Roadside plants	"	"	✓	



Locality	Code	date	Sex	Host plant	Collector	deposit	Apt	Mae
Chatham Island		27 Feb 67	♀	Beating at night	GWR	NZAC DSIB	✓	
"		4 Mar 67	♀	Ryegrass pasture	EWV	"	✓	
"		"	♀	"	"	"	✓	
"		25 Feb 67	♀	Marram grass	"	"	✓	
SE I. Chathams		2 Jan 75	♀	Ex Pachyptila vittata	EC-Young	"	✓	
Mt. Cullen	MB	11 Dec 68	♀	Moss 68/206 2670'	JIT	"	✓	
Black Birch Ra	MB	20 Feb 70	♀	Moss + mat plants 70/131	GK	"	✓	
Dun Mt	NN	6 Dec 69	♀	Litter 69/?	J.McB	"	✓	
Black Birch Ra	MB	20 Feb 70	♀	Mats 70/130	GK	"	✓	
Longwood Ra	SL	17 Sep 68	♀	Moss 68/132	JCW	"	✓	
Lindus Pass	o/mk	11 Jan 71	♀	Litter 71/10	JSD	"	✓	
Sutton	CO	9 Sep 68	♀	Litter 68/122	JCW	"	✓	
Kaituna V	MC	12 May 67	♀	Moss 67/200	JIT	"	✓	
Stephens I	SD	Feb 71	♀	^{Sooty shearwater} Nest 71/72 ^{burrow} lining	GWR	"	✓	
Mt Chrome Plateau	NN	23 Mar 72	♀	Swards 72/155 1249m	JSD	"	✓	
Molesworth	MB	21 Mar 68	♀	^{Swards} Moss 68/87 3000'	JCW	"	✓	
Molesworth	MB	19 Mar 68	♀	Litter 68/82	JCW	"	✓	
Little Ohena I	CL	26 Nov 72	♀	Litter 72/241	D.Merton	"	✓	
"	CL	26 Nov 72	♀	"	"	"	✓	
L. Mahinerangi	CO	8 Sep 68	♀	Moss 68/114	JCW	"	✓	
Obaki Fork Rd	WN	9 Dec 65	♀	Natted fr. roadside	D.C.M. Mason	PLNZ DSIB	✓	
Palmerston Nth	WI	14 Jan 57	♀	Ryegrass	D.C.M.	"	✓	
Mokonui Ra	SL	10 Feb 76	♀	Sweeping	L.L. Dettl	NZAC DSIB	✓	
Obago	DN	14 Feb 68	♀	Moss 68/34	JIT	"	✓	
Mt Arowhena	GB	1 Mar 71	♀	Litter 71/28 1220m	ACE	"	✓	
"	"	"	♀	"	"	"	✓	
Mt. Watkins	DN	5 Nov 68	♀	Moss 68/107	J.S.D	"	✓	
Molesworth	MB	19 Mar 68	♀	Litter 68/82 5000'	JCW	"	✓	
Mt Arthur	NN	14 Nov 69	♀	Litter 69/217 4000	B.M. May	"	✓	
Tekohia Island	MK	26 Jan 76	♀	Soil 76/31	C. Smith	"	✓	
White Island	BP	6 Dec 66	♀	Plant/Soil Sample 125	K.A.J. Wise	AMNZ DSIB	✓	
"	"	"	♀	Pohutukawa leaf/litter	"	"	✓	
Greggworth	BR	12 Nov 72	♀	Juncus & grasses	"	"	✓	

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Locality	Code	date	sex	plant	Collect	Dept	Int	Mac.
Invercargill	SL	17 Mar 77	♀	Seeding <i>Agrostis stolonifera</i> walkway	ARKW DSIR	NZAC	✓	
"	"	"	♀	" <i>Spartina</i> sp	ARKW	NZAC DSIR	✓	
"	"	"	♀	" <i>Agrostis stolonifera</i>	"	"	✓	
Lee Valley	NN	22 Mar 77	♀	" codsfoot + brown top	"	"	✓	
"	"	"	♀	" "	"	"	✓	
Papaitonga Res.	WN	31 May 66	♀	grass in funnel	Richard	PLNZ DSIR	✓	
Temple Basin	NC	19 May 70	♀		DS Horning	NZAC DSIR	✓	
"	"	"	♀	-	"	"	✓	
Whangamoa Sd	NN	31 Jan 78	♀	Sweeping grass roadside	ARKW	"	✓	
Domain	AK	11 Oct 76	♀	<i>Turdus phillomelos</i> excelsa <i>marula</i> Thrush nest in <i>M. excelsa</i> 76/79	S.M. Reel	"	✓	
Whitford	AK	12 Nov 76	♀	Birdnest <i>Turdus marula</i> 76/94	J. Bebban	"	✓	
Mt Cook	MIC	31 Mar 77	♀	Ex <i>Gentiana</i> flowers	JSD	"	✓	
Black Birch Ra	MB	17 Feb 70	♀		A.C. Eyles	"	✓	
Mt Robert	BR	4 Feb 79	♀	9 specimens Beating <i>Poa</i> sp	ARKW	"	✓	
"	"	"	♀	3 specimens Base of grass	"	"	✓	
"	"	"	♀	grass habitat	"	"	✓	
Taylor's Pass	MB	7 Feb 79	♀	bare of <i>Tuncus</i>	ARKW-52	"	✓	
Lower Awakene	MB	"	♂/♀	4 specimens	ARKW-56	"	✓	
Dun Mt.	NN	29 Jan 79	♀	2 sp On heath grass of deadwood	ARKW-8	"	✓	
Oporangi Saddle	SD	28 Jan 79	♀	2 sp Beating dead branches + leaves	ARKW-3	"	✓	
Whakipu	AK	24 Feb 79	♀	On <i>Kikuyu</i> grass	ARKW-70	"	✓	
Dun Mt.	NN	29 Jan 79	♀	on recently fallen <i>N. fusca</i> (fresh)	ARKW-10	"	✓	
Boulder Bench	"	27 Jan 79	♀	Bare of grass	ARKW	"	✓	
Whangamoa Sd	NN	27 Jan 79	♂/♀	3 sp Sweeping grass	ARKW	"	✓	
Kaiangarda	ND	16 Dec 75	♀	Sweeping roadside herbage	D.J. Allan	"	✓	
"	"	"	♀	"	"	"	✓	
Cheviot face	SL	30 Jan 76	♀	Litter + moss 76/16	L.L. Dettl	"	✓	
Klondyke Corner	NC ma	13 Oct 70	♀	Ex Moss	D.S. Horning	"	✓	
"	NC ma	"	♀	"	"	"	✓	
"	"	"	♀	"	"	"	✓	
"	"	"	♀	"	"	"	✓	

Aptinotetraps rufus

Tekohai I.	MX	28 Jan 76	♀	Mixed litter 76/33	C.M. Smith	NZAC	Gpt
"	"	"	♀	"	"	"	"
"	"	"	♀	"	"	"	"
Birdlings Flat	MC	17 Nov 76	♀	Litter 76/97	JSD	"	"
Blade Birch Ra 4600'	MB	13 Feb 70	♀	Litter 70/137	ACEyles	"	"
Cheviot Face	SL	30 Jan 76	♀	Litter 76/10	JSD	"	"
Red Hill	ND	18 Feb 76	♀	Pit Fall trap under ^{pasture} kikuyu	F. Butler	"	"
Helensville	AK	19 June 79	♀	sweeping lucerne	G. Walker	"	"
"	"	"	♂	"	"	"	"
"	"	"	♀	"	"	"	"
Antipodes Is	Subant	31 Jan 69	♀	Nest debris 69/28	GIS	"	"
"	"	"	♀	"	"	"	"
"	"	"	♀	"	"	"	"
"	"	25 Feb 69	♀	Litter, mat plants 69/63	"	"	"
"	"	6 Feb 69	♀	guano debris + small plants 69/33	"	"	"
"	"	31 Jan 69	♀	penguin + seals plants 69/27 collected round	"	"	"
"	"	"	♀	"	"	"	"
"	"	"	♀	"	"	"	"
"	"	6 Feb 69	♀	+ small plants plants 69/33 guano debris	"	"	"
"	"	28 Feb 69	♂	tussock 69/70 mat + cushion plants +	"	"	"
"	"	"	♀	"	"	"	"
"	"	"	♀	"	"	"	"
"	"	"	♂	"	"	"	"
"	"	23 Feb 69	♀	moss + lichen 69/54	"	"	"
"	"	"	♀	"	"	"	"
Snares Island	subant.	19 Feb 71	♀	sweeping Poa annua	G.J. Horning	"	"
"	"	"	♀	"	"	"	"
"	"	25 Feb 71	♀	foliage of ^{durum} Blechnum	J.S. Horning	"	"
"	"	31 Dec 74	♀	on Poshate Hebe elliptica in feathers of Puffinus griseus	C.J. Horning	"	"
Antipodes	subant.	23 Nov 72	♀	-	P.N. Baker	NMNZ	"
"	"	"	♀	-	"	"	"
"	"	"	♀	-	"	"	"
"	"	"	♀	-	"	"	"
"	"	"	♀	-	"	"	"
"	"	"	♀	-	"	"	"

Hypnothrrips stylifer

Trybom

Locality	Code	date	Sex	Host plant <small>on rock + by rock Tors</small>	Collector	Deposit	Apt	Mac
Lammermoor Ra ^{fcs}	CO	9 Sep 68	♀	Moss 68/120	JSD	NZAC DSTR	✓	
"	"	"	♀	"	"	"	✓	
Ship Cove	SD	30 Nov 72	♀	^{Forest} Litter 72/273	JSD	"	✓	
"	"	"	♀	"	"	"	✓	
Takaha V	FD	11 Dec 72	♀	^{grass in open with other stuff} Litter 72/271	AC Eyles	"	✓	
Mt Sebastopol ^{fcs}	MK	8 Jan 66	♀	Grass + bushes sweep	"	"	✓	
Pukaki ^{fcs}	MK	26 Jan 76	♀	Pit Trap	C. Smith	"	✓	
Roaring Meg ^{fcs}	CO	17 Mar 75	♀	^{incl Poa.} Moss 75/100	J.C. Wray	"	✓	
*Pukaki	MK	28 Jan 76	♀	^{Tussock} Tussock litter 76/32	C. Smith	"	✓	
Teviot R ^{fcs}	CO	11 Sep 68	♀	^{tussock 2200'} Litter 68/126	JCW	"	✓	
Hunter Mts	FD	14 Jan 70	♀	^{Lichen rock on riverbed 2500} Moss 70/107	J. MCB	"	✓	
2 Pukaki	MK	28 Jan 76	♀	^{Tussock} Tussock litter 76/32	C. Smith	"	✓	
Takaha V	FD	11 Dec 72	♀	Litter 72/271	AC Eyles	"	✓	
Pukaki	MK	28 Jan 76	♀	^{mixed litter prob high grass} Mixed litter sample 76/33	C. Smith	"	✓	
"	"	"	♀	"	"	"	✓	
Hyde Rock ^{alp}	CO	22 Feb 74	♀	^{Alpine stone field 1585m} Hebe hectori litter 74/10	JSD	"	✓	
Molesworth ^{fcs}	MB	21 Mar 68	♀	^{moss + tussock} Moss 68/87 3000'	JCW	"	✓	
Manorburn ^{fcs}	CO	19 Mar 75	♀	Moss 75/128 Moss	BMM	"	✓	
Pukaki	MK	28 Jan 76	♀	Soil 76/31 ^{prob} with grass	C. Smith	"	✓	
Lindis Pass ^{fcs}	MK/CO	11 Jan 71	♀	^{Tussock 3185'} Litter 71/9	JSD	"	✓	

Examined 20 specimens

MI:

SI: CO, SD, FD, MK, MB,

All apterous + ps

Jan, Feb, Mar Sep, Nov, Dec,

Rocket Pillar Ra	CO	12 Nov 69	♀	Litter 69/205	J. MCB	"	✓	
Te Kohai I	MK	28 Jan 76	♀	Mixed litter 76/33	C. M. Smith	"	✓	
"	"	"	♀	"	"	"	✓	
Roaring Meg	CO	17 Nov 77	♀	litter + moss 77/165	J.C. Wray	"	✓	
Dunstan Ra	CO	13 Jan 71	♀	litter 71/11	JSD	"	✓	
W.A.I. 1220m	no 72	19 Mar 68	♀	moss + litter	-	"	✓	

Ceratohrips. pericae

mae

10mls of Mā Taupo	TO	19 Feb 79	♀	Erica tetralix	LAM-1483	NZAC SSD	✓
10ml S of Taupo	TO	"	♂	Erica tetralix	LAM-1483	"	✓
15ml S of Turangi	TO	19 Feb 79	♀	Poa Chionochloa tussock	LAM-1476	"	✓
Engorio Nat. Park	TO	27 Jan 80	♀	7 spec. Calluna vulgaris flavos	BKW-110	"	✓

Ceratothrips frici (Uzel)

Locality	Code	date	sex	plant	Collector	Deposit	Appt.	Mat.
Parks Farm	NN	15 Feb 72	♀	Sweeping pasture	N.D. Mackay	NZAC DBZ		✓
"	"	8 Feb 72	♂	"	"	"		✓
"	"	"	♂	"	"	"		✓
"	"	"	♀	"	"	"		✓
"	"	"	♀	"	"	"		✓
"	"	11 Jan 72	♀	"	"	"		✓
Words Pass	MB	19 Mar 68	♀	Moss 68/80 4000'	J.I.T.	"		✓
Owairaka	AK	Feb 46	♂	X Escalonia macrantha	M.W. Carter	"		✓
Parks Farm	NN	24 Oct 72	♀	Sweeping pasture	N.D. Mackay	"		✓
"	"	8 Feb 72	♀	"	"	"		✓
"	"	"	♀	"	"	"		✓
Levin	WN	29 Apr. 67	♀	Leafmould in native bush	A. Ward	PLNZ AURA		✓
Owairaka	AK	Feb 46	♀	X Escalonia macrantha	M.W. Carter	NZAC DBZ		✓
"	"	12 Jan 49	♂	X Catsear Hypochaeris radicata	M.W. Carter	"		✓
"	"	" 48	♀	"	"	"		✓
?			♀	Tobacco Thorne	W. Collier	"		✓
Lee Valley	NN	22 Mar 77	♀	Sweep cocksfoot + broomtop	A.H.W.	"		✓
"	"	"	♂	"	"	"		✓
"	"	"	♀	"	"	"		✓
"	"	"	♂	"	"	"		✓
Mrd Sisters Chatham Is		24 Nov 73	♀	Pipet Nest 73/144	I.P. Whitaker	"		✓
Levin	WN	12 Mar 67	♀	Ex peach trees	H.R.C. S. Meddings	PLNZ AURA		✓
"	"	"	♀	"	"	"		✓
Parkes V	NN	18 Mar 71	♀	Turf 3	N.D. Mackay	NZAC DBZ		✓
Lee V	NN	22 Mar 77	♂	Sweep cocksfoot broomtop	A.H.W.	"		✓
Lake Rotiti	BR	24 Mar 77	♂	Sweep cocksfoot legume.	"	"		✓
Conway Flats	KA	15 Mar 77	♂	Erythrina flowers	R.P. Macf.	"		✓
"	"	"	♂	"	"	"		✓
Whangamou Sel	NN	31 Jan 78	♀	Sweep grass, roadside	A.H.W.	"		✓



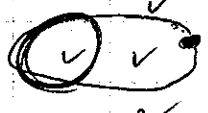
				Specimens					
MT Robert track 3000'	BIR	4 Feb 79	♀	grass habitat On yellow composite flowers	171W	NZAC DBR			✓
"	"	"	♂	"	"	"			✓
Cromwell	CO	14 Mar 75	♀	2 specimens Litter 75/130 leaves of <i>Poa</i> <i>radicata</i> flowers	TCCW	"			✓
Whangamoa Saddle	NN	27 Jan 79	♀	7 sp <i>Onthocheris</i>	171W	"			✓
"	"	"	♂s	10 sp	"	"			✓
"	"	"	♀s	2 sp sweeping grass	171W	"			✓
"	"	"	♂	Sweeping grass	"	"			✓
"	"	"	♀s	5 sp <i>Onthocheris europaeus</i>	171W	"			✓
Farewell Spit	NN	1 Feb 79	♀s	22 spec On yellow composite flowers	AKW-27	"			✓
"	"	"	♂s	10 specimens	"	"			✓
Upper Awatere	MB	21 Mar 68	♀	Moss 68/86	JIT	"			✓
Waipori	CO	2-16 Jan 79	♀	Ex pit fall trap in tussock	BIP Bennett	"			✓
—	—	—	♀	Tobacco	Cottier	"			✓
Cavalli Is Motukawamui I	ND	2 Jan 79	♀	Sweeping grass land	L. Roberts	"			✓
Chateau Tongariro	TO	7 Dec 78	♀	Beating flowering <i>Mislandri</i>	GK	"			✓
Canway flats	KA	15 Mar 77	♀	<i>Erythrina</i> flowers	R.P.MCF.	"			✓
Earnsclough	CO	14 Nov 79	♀	suction trap	G. McLaren	"			✓
Black Birch Ra 4500'	MB	12 Feb 70	♂	In swamp	AClydes	"			✓
Cromwell Beetle Reserve	CO	14 Mar 75	♀	Litter 75/132	JCW	"			✓
"	"	"	♀	Litter 75/136	"	"			✓
"	"	"	♀	"	"	"			✓
"	"	"	♀	"	"	"			✓
MT. Albert	AK	18 Jan 79	♂	<i>Onthocheris radicata</i> flowers	L.A. Mansell	"			✓
"	"	"	♂	"	"	"			✓
"	"	"	♂	"	"	"			✓
"	"	"	♂	"	"	"			✓
"	"	"	♂	"	"	"			✓
"	"	"	♀	"	"	"			✓
"	"	"	♂	"	"	"			✓
"	"	"	♀	"	"	"			✓
"	"	"	♂	"	"	"			✓
Nelson	NN	3 July 67	♀	<i>Turdus merula</i> Blackbirds nest (not season)	D. Hughes	"			✓

Locality	Code	Date	Sex	Host plant	Collector	Deposit	Apt	Mac
Otira	WD	26 Feb 76	♀	Sweeping grass	L.L. Dates	NZAC DSLR		✓
Thar Lodge, Mt Cook	MK	10 Jan 66	♀	Sweeping grass	A.C. Eyles	"		✓
Maitai V	NN	15 Jan 76	♀	Sweeping Trifolium sp	A.K.W.	"		✓
-	MC	1958	♀	X Cocksfoot	J.M. Kelsey	"		✓
Tiwai Pt	SL	26 Jan 76	♀	Sweeping	L.L. Dates	"		✓
Maitai V	NN	15 Jan 76	♀	Sweeping Trifolium	A.K.W.	"	(3)	
Banks Pen	MC	22 Feb 76	♀	Sweeping paddock	L.L. Dates	"		✓
Ashburton	MC	Dec 58	♀	X Cocksfoot	J.M. Kelsey	"		✓
L. Pukaki	MK	27 Jan 76	♂	Beating grass	C. Smith	"	✓	
Nelson	NN	8 Nov 32	♀	Roses	Cowthron Inst	"		✓
Atawhai	NN	3 Apr 66	♀	Sweeping brown top	A.C. Eyles	"		✓
Eiffelton	MC	2 Sep 42	♀	X Cocksfoot	J. Yates	"		✓
A. Riwaka	NN	7 Jan 42	♀	X Tobacco leaves	"	"		✓
Eiffelton	MC	2 Oct 42	♀	X Cocksfoot	"	"		✓
Owairaka	AK	4 Sep 40	♀	Geranium	W. Collier	"		✓
"	"	"	♀	"	"	"		✓
"	"	"	♀	"	"	"		✓
Mt Sebastopol	MK	8 Jan 66	♀	Grass + bush sweep	A.C. Eyles	"		✓
Sealy Lake	MK	10 Jan 66	♀	Sweeping bushes	"	"		✓
Howard V	BR	7 Oct 68	♀	Moss 68/139	JIT	"		✓
Rock + Pillar	CO	12 Nov 69	♀	Plants 69/199	JSD	"		✓
Pisa Ranga	CO	23 Nov 74	♀	Litter 74/102	JSD	"		✓
Grasslands Survey			♀	SP6 42 RO	R.A. Cumber	"		✓
"			♀	"	"	"		✓
"			♀	"	"	"		✓
"			♀	"	"	"		✓
Parkes Farm	NN	18 Feb 71	♀	Turf	N.A. Ward	"		✓
"	"	27 Sep 70	♀	Emergence Trap	"	"		✓
"	"	"	♀	"	"	"		✓
"	"	"	♀	"	"	"		✓
"	"	"	♀	"	"	"		✓
"	"	22 ^{Oct} Sep 70	♀	-	"	"		✓
Ashburton	MC	10 Sep 59	♀	Cocksfoot 6 specimens	Dowll	"		✓

2. *Chirothrips manicatus*

1959

Locality	Code	Date	Sex	Host Plant	Collector	Deposit	Apl- Mac
Ashburton	MC	10. Sep 59	♀	Cocksfoot 7specimens	Doull	NZAC DSTA	✓
"	"	"	♀	" 9 "	"	"	✓
"	"	"	♀	" 11 "	"	"	✓
"	"	14 Aug 59	♀	" 9 "	"	"	✓
Lowcliffe	MC	14 Aug 59	♀	" 11 "	"	"	✓
"	"	"	♀	" 8 "	"	"	✓
Ashburton	"	5 Sep 59	♂♀	" 7 "	"	"	✓
"	"	"	♀	" 7 (1 apterous)	"	"	✓
"	"	"	♀	" 7 "	"	"	✓
"	"	"	♀	" 1 "	"	"	✓
"	"	23 Oct 59	♀	" 7 "	"	"	✓
"	"	23 Oct 59	♀	" 6 "	"	"	✓
"	"	"	♀	" 8 "	"	"	✓
"	"	"	♀	" 5 "	"	"	✓
"	"	"	♀	" 3 "	"	"	✓
Lowcliffe	"	14 Aug 59	♀	" 9 "	"	"	✓
Eiffelton	"	30 Mar 59	♀	" 5 "	"	"	✓
"	"	"	♀	" 6 "	"	"	✓
"	"	"	♀	" 5 "	"	"	✓
"	"	15 Oct 59	♀	" 4 "	"	"	✓
"	"	"	♀	" 9 "	"	"	✓
Dipton	SL	15 Oct 59	♀	" 6 "	"	"	✓
"	"	"	♀	" 6 "	"	"	✓
"	"	"	♀	" 5 "	"	"	✓
"	"	"	♀	" 4 "	"	"	✓
Lowcliffe	MC	11 May 59	♀	" 6 "	"	"	✓
Lincoln	MC	21 Oct 59	♀	" 8 "	"	"	✓
"	"	"	♀	" 4 "	"	"	✓
"	"	"	♀	" 7 "	"	"	✓
"	"	"	♀	" 8 "	"	"	✓
"	"	"	♀	" 8 "	"	"	✓
"	"	19 Oct 59	♀	" 6 "	"	"	✓
Ashburton	MC	Dec 7 39	♂	Cocksfoot 1	McPherson	"	✓



Locality	code	Date	Sex	Plant	Collect.	Deposit	Apt	Mae
Ashburton	MC	19 Oct 59	♀s	Cocksfoot	6 specimens	Doull	NZAC DSR	✓
"	"	23 Sep 59	♀s	"	7 "	"	"	✓
"	"	16 Dec 58	♀	"	1 "	"	"	✓
"	"	"	♂	"	17 "	"	"	✓
"	"	"	"	"	18 larvae pupae	"	"	
"	"	"	♂	"	3 adults	"	"	✓
"	"	"	"	"	21 larvae pupae	"	"	
"	"	"	♂	"	2 adults	"	"	✓
"	"	"	"	"	10 larvae	"	"	
"	"	13 Feb 59	♀	"	8 adults	"	"	✓
"	"	"	♀	"	8 "	"	"	✓
"	"	"	♀	"	18 "	"	"	✓
Drifton	SL	"	♀	"	7	"	"	✓
Methven	MC	17 April 1960	♀	Brown top feed	2 adults	?	"	✓
"	"	"	♀	"	4 "	"	"	✓
"	"	"	♀	"	4 "	"	"	✓
"	"	"	♀	"	6 "	"	"	✓
"	"	"	♀	"	8 "	"	"	✓
"	"	"	♀	"	8 "	"	"	✓
"	"	"	♀	"	4 "	"	"	✓
"	"	"	♀	"	3 "	"	"	✓
"	"	"	♀	"	1 "	"	"	✓
Lincoln	MC	18 Nov 59	eggs	Cocksfoot ovary			"	→
"	MC	"	♀	Cocksfoot	11 adults	Doull?	"	✓
"	"	"	♀	"	2	"	"	✓
"	"	"	"	"	Larva + pupae	"	"	✓
Eiffelton	MC	30 Mar 59	♀	"	6 adults	"?	"	✓
"	"	"	♀	"	7 "	"	"	✓
Rangitata	MC	25 Mar 59	♀	"	13 "	"	"	✓
"	"	"	♀	"	11 "	"	"	✓
"	"	"	♀	"	12 "	"	"	✓
"	"	"	♂	"	2 "	"	"	✓
"	"	"	♀	"	8 "	"	"	✓

Locality	Code	Date	Sex	Plant	Collector	Deposit	Apt	Max
Ashburton	mc	27 Feb 59	♀	Cocksfoot 7 specimens	Doull?	NZAC DSLR		✓
"	"	"	♂	" 1	"	"	✓	
"	"	"	♀	" 4 "	"	"		✓
"	"	13 "	♂	" 1 "	"	"	✓	
"	"	13 "	♀	" 2 "	"	"		✓
"	"	27 "	♂	" 2	"	"	✓	
"	"	27 "	♀	" 3	"	"		✓
Tinwald	mc	30 Oct 59	♀	Cocksfoot flower 15 "	"	"		✓
"	"	"	♀	" 20 "	"	"		✓
Ashburton	"	6 Nov 59	♀	" 9 "	"	"		✓
Methven	mc	17 April 1960	♀	Browntop seed 10 "	"	"		✓
"	"	"	♀	" 12 "	"	"		✓
"	"	"	♀	" 5 "	"	"		✓
"	"	"	♀	" 5 "	"	"		✓
"	"	"	♀	" 5 "	"	"		✓
Ashburton	mc	5 Oct 59	♀	deadheads Cocksfoot 8 "	"	"		✓
Methven	"	2 Nov 59	♀	" flower 25 "	"	"		✓
88 Valley	NN	16 Oct 70	♀	ET Emergence Trap	NA Martin	"		✓
"	"	"	♀	ET "	"	"		✓
"	"	18 Dec 69	♀	sweep net pasture	"	"		✓
"	"	24 Oct 72	♀	sweep pasture	"	"		✓
"	"	19 Oct 71	♀	"	"	"		✓
"	"	22 Feb 72	♀	"	"	"		✓
"	"	11 Jan 72	♀	"	"	"		✓
"	"	"	♀	"	"	"		✓
"	"	2 Nov 71	♀	Pit Trap 5	"	"		✓
"	"	19 Oct 71	♀	Sweep pasture	"	"		✓
Methven	mc	April 1960	♀	Browntop seed 4 specimens	Doull?	"		✓
"	"	"	♀	" 4 "	"	"		✓
"	"	"	♀	" 4 "	"	"		✓
"	"	"	♀	" 4 "	"	"		✓
"	"	"	♀	" 3 "	"	"		✓
"	"	"	♀	" 4 "	"	"		✓

Locality	Code	Date	Sex	Plant	Collector	Deposit	Apt	Mac
Methven	mc	17 April 1970	♀	Broomtop seed 3 specimens	Doull?	NZAC DSLR		✓
"	"	"	♀	" 4 "	"	"		✓
Lowcliffe	mc	25 June 59	♀	- 8 "	"	"		✓
"	"	"	♀	- 25 "	"	"		✓
Methven	mc	Apr 60	♀	Broomtop 2 "	"	"		✓
"	"	"	♀	" 1 "	"	"		✓
"	"	"	♀	" 1 "	"	"		✓
"	"	"	♀	"	"	"		✓
"	"	"	♀	" 6	"	"		✓
"	"	"	♀	" 4	"	"		✓
"	"	"	♀	" 4	"	"		✓
"	"	"	♀	" 3	"	"		✓
"	"	"	♂	" 1	"	"		✓
"	"	"	♂	" 4	"	"		✓
"	"	"	♀	" 3	"	"		✓
"	"	"	♀	" 4	"	"		✓
"	"	"	♀	" 4	"	"		✓
"	"	"	♀	" 4	"	"		✓
Brachypteryx								
Mt Robert, Roberts	BR	3 May 66	♀	Moss 66/164	J.H. Town	"		✓
Ashburton	mc	Dec 58	♀	X Cocks foot	J.M. Kelsey	"		✓
Southland	SL	12 Dec 41	♀	Flower seeds (In)	# 499	"		✓
Tekohi I	MK	26-28 Jan 76	♂	Pit Trap	C. Smith	"	✓	
Mt Cook Nat. Park	MK	8 Jan 66	♀	Sweep. grass + bushes	A.C. Eyles	"		✓
Little Barrier	CL	3 Oct 75	♀	Litter 75/194	T.M. May	"		✓
Aniseed v Gromwell	NN	14 Jan 76	♂	Beating Nothofagus	A.H. Walker	"	✓	
Obago Prov. Levin	CO	11 Jan 66	♀	Broom sweep	A.C. Eyles	Levin PLKIZ PLNZ		✓
Levin	WN	4 Jan 66	♀	Geniostoma ligustrifolia	D.C. Manson	Levin		✓
Obaki forks Rd	WN	9 Dec 65	♀	Beaten from grass	"	"		✓
Timaru	SC	20 Mar 68	♀	broomtop grass seed 3 specimens	J.H. Strickell	"		✓
Lowcliffe	mc	11 May 59	♀	- 18 specimens	Doull?	"		✓
"	"	"	♂	- 17	"	"		✓
"	"	"	♀	- 16	"	"		✓
"	"	"	♀	- 19	"	"		✓

Locality	Code	date	Sex	Plant	Collector	Deposit NZAC DSIR	Apt	Mac
Ashburton	mc	21 Nov 58	♀	Cocksfoot	9 specimens	?		✓
"	"	26 Nov 58	♀	"	6 "	"		✓
"	"	"	♀	"	6 "	"		✓
"	"	"	♀	"	12 "	"		✓
"	"	4 Dec 58	♀	"	4 "	"		✓
"	"	"	♀	"Flower head	5 "	"		✓
"	"	16 Dec 58	♂	Cocksfoot	7	"	✓	
"	"	"	♀	"	2	"		✓
"	"	4 Dec 58	♀	"		"		✓
"	"	16 Dec 58	♀	"	5	"		✓
"	"	"	♂	"	11	"	✓	
Lincoln	mc	9 May 60	♀	"dead heads	3	"		✓
"	"	"	♀	"	3	"		✓
"	"	"	♀	"	4	"		✓
"	"	"	♀	"	4	"		✓
Ashburton	"	7 Dec 39	♂	Cocksfoot	3	GK McPherson	✓	
"	"	"	♂	"	3	"	✓	
Palmston North	w1	15 Feb 51	♀	<i>Agrostis tenuis</i>		DoF A		✓
"	"	"	♀	"		"		✓
"	"	"	♀	"	2 specimens	"		✓
"	"	"	♀	"		"		✓
"	"	"	♀	"		"		✓
"	"	"	♀	"		"		✓
"	"	"	♀	"		"		✓
Southland	SL	12 Nov 41	♀	ER Flower seeds		J. Yates	MA	✓
"	"	"	♀	"		"		✓
88 Valley	NN	17 Oct 72	♀	Sweeping pasture		N A Mackenzie		✓
"	"	24 Oct 72	♀	"	2 specimens	"		✓
"	"	31 Oct 72	♀	"	2 "	"		✓
Ashburton	mc	Dec 7 1939	♂	Cocksfoot		McPherson	✓	
"	"	"	♂	"		"	✓	
S. Canterbury	SC	25 July 31	♀	Brown top seed		W. Collier		✓
"	"	"	♀	"		"		✓

Locality	Code	Date	Sex	Plant	Collector	Deposit	App	Misc
South Canterbury	SC	25 July 31	♀	Brown top seed	W. Collier	NZAC DSR		✓
?		2 Feb 37	♂	Cocksfoot seed	W. Collier	"	✓	✓
?		"	♂	" "	"	"	✓	
?		"	♂	" "	"	"	✓	
Ashburton	mc	4 Dec 39	♂	Cocksfoot 3 specimens	M ^c Pherson	"	✓	
"	"	7 Dec 39	♂	" 3 "	"	"	✓	
Southland	SL	12 Nov 41	♀	Ex flower seeds	J. Yates	"		✓
Ashburton	mc	7 Dec 39	♂	Cocksfoot 3 specimens	McPherson	"	✓	
"	"	7 Dec 39	♂	" 3 "	"	"	✓	
"	"	"	♂	" 3 "	"	"	✓	
"	"	"	♂	" 3 "	"	"	✓	
"	"	"	♂	" 3 "	"	"	✓	
"	"	"	♂	" 3 "	"	"	✓	
"	"	"	♂	" 3 "	"	"	✓	
"	"	"	♂	" 3 "	"	"	✓	
Lincoln	mc	Nov 55	♀	<i>Plopecurus pratensis</i>	K.M. Doull	AKHMS AMNZ	✓	✓
Christchurch	mc	Dec 53, Feb 54	♂	(2 specimens) <i>Dactylis glomerata</i>	"	"	✓✓	

NI: WI, CL, WN, AK,
SI: MC, SF, SC, NX, BR, MK, CO, WD,

♂ Jan, Feb, Mar, Dec,
♀ Jan, Feb, Mar, Apr, May, June, July, Aug, Sep, Oct, Nov, Dec,

Larvae + pupae: Dec, Nov,

Examined ♀: 819 specimens all macropterous except for ³ apterous ♀ + Brachypterous ♀

♂: 94 "

larvae + pupae: 49 "

Te Kawa Whata	WO	25 Oct 65	♀	Grass + weeds	D.C.M. Manson	PLNZ Genia		✓
"	"	"	♀	"	"	"		✓
Levin	WX	12 May 66	♀	grass etc	"	"		✓
"	"	"	♀	"	"	"		✓

(8)

Chirothrips manicatus

Locality	Code	date	Sex	plant	protense	Collector	deposit	Apt.	Mac
Invercargill	SL	15 Mar 77	♂	Sweep. <i>Agrostis tenuis</i> + <i>Tri</i>		A.K.W.	NZAC DSHR		✓
Lee Valley	NN	22 Mar 77	♀	Sweep cocksfoot + browntop		"	"		✓
Lumsden	SL	2 Jan 77	♀	On <i>Daucus carota</i>	flowers	T.K. Crosby	"		✓
Invercargill	SL	15 Mar 77	♂	Sweep browntop + clover		A.K.W.	"	✓	✓
"	"	"	♀	"	"	"	"		✓
"	"	17 Mar 77	♂	" seedling cocksfoot		"	"	✓	
"	"	"	♀	"		"	"		✓
"	"	16 Mar 77	♀	General beating native hush		"	"		✓
"	"	15 "	♀	Sweep. browntop + meadow foxtail		"	"		✓
Lake Rotiti	BR	24 Mar 77	♀	" seedling cocksfoot		"	"		✓
"	"	25 Mar 77	♂	Under mossbank beside ct		"	"	✓	
"	"	24 "	♂	Sweep. cocksfoot		"	"	✓	
"	"	"	♂	"		"	"	✓	
"	"	"	♂	"		"	"	✓	
"	"	"	♂	Sweep flowers of <i>Daucus</i>	carota	"	"	✓	
"	"	"	♂	"		"	"	✓	
"	"	"	♀	" seedling brown top		"	"		✓
"	"	"	♀	" foliage redclover	paddock	"	"		✓
Lee Valley	NN	22 Mar 77	♀	" seedling <i>Tuncus</i> in		"	"		✓
"	"	"	♀	"		"	"		✓
Palmerston Nth	WI BN	10 Nov 38	♂s	3 specimens	foxtail heads	Robinson	"		✓
"	WI	"	♂s	4 "	"	"	"		✓
"	"	"	♂s	3 "	"	"	"		✓
Nelson	NN	1952	♂s	5 "	Cocksfoot seed hds	Cotter	"		✓
"	"	"	♂s	5 "	"	"	"		✓
"	"	"	♀	"	"	"	"		✓
Lake Tennyson	MB	21 Jan 76	♀	Sweeping grass		A.K.W.	"		✓
Canaan Saddle	NN	1 Feb 78	♀	Sweeping mainly grass species		"	"		✓
"	NN	"	♀	"		"	"		✓
Whangamoa Saddle	NN	31 Jan 78	♂	Sweeping grass, roadside		"	"	✓	
"	"	"	♂	"		"	"	✓	
"	"	"	♀	"		"	"		✓
Tuna Bay	SD	2 Feb 78	♀	Sweep grass + rushes in grazed area		"	"		✓
Owairaka	AK	2 May 1940	♀	X Hedgehog	XZ	D Spiller	"		✓

(9) Chirothrips manicatus

Locality	Code	date	sex	plant	Col.	Dep.	Apt	Mac
Clovenosh Rd	AK	14 Apr 39	♀	Puriri wood	JSpiller	NZAC DSAR		✓
Cape Campbell	K17	7 Feb 79	♀ ♂s	2 specimens bare of tussock, dry pasture	AKW-57	NZAC DSAR		✓
Taylor's Pass	MB	"	♀	Tuacua, seeping area	AKW-52	"		✓
Canaan Saddle	NN	30 Jan 79	♀	On <i>N. menziesii</i> seedling	AKW-18	"		✓
Black Birch Ra	MB	20 Feb 70	♀	Mats 70/130	GK	"		✓
Lower Awatere Valley	MB	7 Feb 79	♀ ♂s	16 specimens Bare of Tuacua	AKW-56	"		✓
Dun Mtn	NN	29 Jan 79	♀ ♂s	4 sp On fresh dead <i>N. fusca</i> leaves	AKW-10	"		✓
"	"	"	♂	"	"	"	micro	
"	"	"	♀s	8 sp Base of brown top <i>L. ericoides</i>	AKW-9	"		✓
"	"	"	♀	Beating <i>L. scoparium</i> ♀	AKW-11	"		✓
Whanganui Sd	"	27 Jan 79	♀s	8 sp Sweeping grass	AKW	"		✓
Whanganui Sd	NN	27 Jan 79	♀	pan trap in <i>Nolofagus</i> forest	AKW	"		✓
Mararoa R	SL	29 Jan 76	♀	-	L.L. Dettl	"		✓
Te Kohai I	MK	28 Jan 76	♀	Mixed litter 76/33	C.M. Smith	"		✓
"	"	"	♀	"	"	"		✓
Tuapeka County	CO	17 Feb 76	♀	sweeping tussock	G.W. Ramsey	"		✓
Te Kohai I	MK	28 Jan 76	♀	Mixed litter 76/33	C.M. Smith	"		✓
"	"	27 Jan 76 th	♂	Sweeping	"	"	micro	
Lindus Pass 762m	CO	11 Jan 71	♀	Litter 71/10	JSD	"		✓
Roaring Meg	CO	17 Nov 77	♀	Litter + moss 77/165	JCW	"		✓
Black Birch Ra 4500'	MB	12 Feb 70	♀	In swamp	P.C. Eyles	"		✓
" 1372m	"	"	♀	"	"	"		✓
MT Cullen 2670'	SD	11 Dec 68	♀	Moss 68/206	JIT	"		✓
Molesworth 3000'	MB	21 Mar 68	♀	Moss 68/87	JCW	"		✓
Te Kohai I	MK	27 Jan 76	♂	Sweeping	C. Smith	"	micro	✓
"	"	"	♂	"	"	"	"	
"	"	"	♂	"	"	"	"	

Desmidothrips walkerae
Mound

Locality	Code	date	sex	plant	Coll	dep.	Apt	Mac
Whangarei Heads	ND	20 Dec 44	♀	-	-	NZAC DSHR		✓
Te Huka Ridge	ND	3 Dec 77	♂	Sweeping manuka scrub	A.K. Walker	"		✓
"	"	"	♂	"	"	"		✓
Polkowi Hill	ND	3 Dec 77	♀	Beating manuka + kanuka	"	"		✓
"	ND	"	♀	"	"	"		✓
Te Huka Ridge	ND	"	♀	Sweeping manuka scrub	"	"		✓
~~~~~ TYPE SERIES ~~~~~								
<del>Mercury Is</del> Type Data	CL	28 Nov 72	♀	in litter	GW R Ramsay	NZAC DSHR		✓
"	"	"	♀	"	"	PARATYPES DSHR		✓
"	"	"	♂	"	"	"		✓
Alderman Is	CL	14 Nov 72	♂	litter	"	BMNH DSHR		✓
"	"	"	♂	"	"	NZAC DSHR		✓
"	"	"	♀	"	"	BMNH		✓
"	"	"	♀	"	"	NZAC DSHR		✓
"	"	"	♀	"	"	"		✓
"	"	"	♀	from Muehlenbeckia	"	"		✓
Ohena I	CL	25 Nov 72	♀	" Coprosma	"	"		✓
Te Pahi	ND	1 Dec 60	♀	from manuka	BAH Holobay	NMNZ Nat Mus		✓
"	"	"	♀	from manuka	"	"		✓
"	"	"	♀	"	"	"		✓
Middle Trio Is	SD	3 Dec 53	♀	leafmould	"	"		✓
Mutai V	NN	15 Jan 76	♂	from Hebe	AKW Walker	NZAC DSHR		✓
"	"	"	♀	"	"	BMNH		✓
~~~~~								
Alderman Is	CL	14 Nov 72	♀	Litter 72/203	GW R Ramsay	NZAC DSHR		✓
Whangarei	ND	20 Dec 44	♀	-	-	"		✓
Gisborne	GB	26 Oct 76	♀	Litter 76/96	Katapa	"		✓
"	"	"	♀	"	"	"		✓

PTO

specimens not included in the type series

Deomidothrips walkerae

locality	code	date	sex	plant	Collector	Deposit	Apt	Mac
Three Kings, Castaway	Three Kings	Nov 70	♀	7 specimens G.A. B. ...	G.W.R.	NZAC DSTI		✓
"	"	Nov 70	♂	Ex bell bird	J.C.W.	"		✓
"	"	Nov 22 XI 70	♂	Litter in dense dersh bush 70/196	G.K.	"		✓
"	"	"	♀	"	"	"		✓
Pouakai Hump 1220m	TK	Dec 2 XII 75	♀	11 specimens Sweeping	AKW	"		✓
"	"	"	♂	" 4 specimens	"	"		✓
		Oct,						
		Nov, Dec, Jan,						
Quamahuanui	CL	14 Nov 72	♂	Litter 72/204	GWR	"		✓
Ohena I	CL	25 Nov 72	♀	" 72/235	"	"		✓
Wattle Bay	AK	14 Jan 79	♀	Beating <i>Muehlenbeckia australis</i>	GK	"		✓
"	"	"	♀	"	"	"		✓
"	"	"	♀	"	"	"		✓
Mt Horokakea	ND	16 Aug 77	♂	Litter 77/97	JSD	"		✓
"	"	"	♂	"	"	"		✓
Ohena I	CL	25 Nov 72	♀	Litter 72/235	GWR	"		✓
"	"	"	♂	"	"	"		✓
Middle I, Mercury Is	CL	21 Nov 72	♀	Litter 72/212	"	"		✓
Wattle Bay	AK	14 Jan 79	♀	Beating <i>Muehlenbeckia australis</i>	GK	"		✓
Kaimanawa North	♀	20 Feb 79	♀	<i>Onitebe parviflora</i> var. <i>arborea</i>	JSD	"		✓
Wooded PK ^{slide destroyed}	NN	14 Sep 71	♂	Litter 71/108	GWR	"		✓
Tellulca Ridge ^{slide destroyed}	ND	3 Dec 77	♂	Litter 77/177	AKW	"		✓
"	♂	"	♂	"	"	"		✓
"	♀	"	♀	"	"	"		✓

Dikrothrips diiphyes

Waitakere Range	AK	22 Jan 79	♀	Dead wood	LAM/1347	NZAC DSTR HOLOTYPE	mac
Totara Res	RI	4 Jan 75	♀	4 specimens Litter 75/28	JCW	DSTR NZAC PARA	mac
Waipunga Falls	TO	14 Sep 72	♀	2 specimens Litter 72/9	GWR	"	mac
"	TO	"	♂	7 spec	"	"	mic
"	"	"	♂	3 sp	"	"	mac
Auckland	AK	20 Jan 79	♀	branches + lichen	LAM-1343	DEPT BINNH POSA	mac

Locality	Code	Date	Sex	Host plant	Collector	Deposit	Ap.	Mac.
Orewa	AK	12 Nov 50	♀	<i>Microtis unifolia</i>	E-Bray	NZAC DSR	Phyge	x
"	"	"	♀	"	"	"	Phy	x
"	"	"	♂	"	"	"	"	x
"	"	"	♀	"	"	"	"	x
"	"	"	♀	"	"	"	"	x
"	"	"	♀	"	"	"	"	x
"	"	"	♂	"	"	"	"	x
"	"	"	♀	"	"	"	"	x
"	"	"	♂	<i>Thelymitra</i> sp	"	"	"	Brac
"	"	"	♂	"	"	"	"	"
"	"	"	♂	"	"	"	"	"
"	"	"	♀ correct	"	"	"	"	Mac
"	"	"	♀ large	"	"	"	"	"
Rough I	NN	24 Jan 76	♀	5 specimens Sweeping grass, in seed pods	I-KW	"	"	✓
Canaan Saddle	NN	1 Feb 78	♀	mainly Sweeping grass species	I-KW	"	"	✓

1 Holotype with data
 7 paratype ♀s *Microtis unifolia*
 1 " ♂ *Thelymitra* sp
 1 " ♀ " "

Frankliniella ~~vitiosa~~
(Trybom)

Locality	Code	date	sex	plant	collector	Deposit	Apt	Mac
Levin	WN	10 Feb 66	♀	yellow lupin	J. Pritchard	PLNZ WON		✓
Waitarere Forest	WN	4 Mar 64	♀	Lupin	A. Ward	"		✓
"	"	"	♀	"	"	"		✓
Brookland's Lagoon	MC	Sep 9. Oct 72	♂	Lupinus	V.F. Eastop	BMNH NZAC		✓
Nr Omarama	MKS	15 Feb 77	♀	On Lupinus arboreus	T.K. Campbell	DSUR		✓
"	"	"	"	"	"	"		✓
"	"	"	♀	"	"	"		✓
"	"	"	♂	"	"	"		✓
"	"	"	♀	"	"	"		✓
"	"	"	♂	"	"	"		✓
"	"	"	♀	"	"	"		✓
"	"	"	♀	"	"	"		✓
Takumanui Beach	NN	24 Jan 76	♂ ♀s	5 specimens Sweeping	A-JLW	"		✓
Wha tipu	AK	24 Feb 79	♀s	13sp On lupin ^{foliage} flowers	LAM-1500 AKW-60	"		✓
"	"	"	♂	"	"	"		✓
"	"	26 May 79	♀	3sp On lupin foliage	AKW-79	"		✓
Earnsclough	CO	26 Sep 79	♀	Sunglo nectarine flowers	G. McLaren	"		✓

~~Ash Levin if we can retain one specimen here.~~
no donee to now

[Handwritten flourish]

Locality	Code	date	sex	Host Plant	Collector	deposit	Apt.	Mac
Palmersln N	WI	22 Feb 35	♀	-	W. Cottier	NZAC DSLR		✓
"	"	"	♀	-	"	"		✓
"	"	"	♀	-	"	"		✓
"	"	"	♀	-	"	"		✓
Auckland	AK	18 Apr 38	♀	Apple foliage	W. Cottier	"		✓
"	"	"	"	"	"	"		✓
"	"	"	"	"	"	"		✓
Palm Nth	WI	20 Mar 36	♀	Viburnum	J.C. Neill	"		✓
"	"	"	♀	"	"	"		✓
Auckland	AK	18 Apr 38	♀	Apple foliage	W. Cottier	"		✓
"	"	"	♀	"	"	"		✓
"	"	Mar 35	♀	Citrus	W.K. Dallas	"		✓
"	AK	26 May 39	♀	Cyclamen	-	"		✓
"	"	"	♀	"	-	"		✓
"	"	June 39	♀	Passion fruit	Greenhouse D. Spiller	"		✓
"	"	"	♀	"	"	"		✓
"	"	Mar 35	♀	Citrus	W.K. Dallas	"		✓
"	"	26 May 39	♀	Cyclamen	D. Spiller	"		✓
Pal Nth	WI	20 Feb 36	♀	Viburnum	J.C. Neill	"		✓
Auckland	AK	18 Apr 38	♀	Apple foliage	W. Cottier	"		✓
"	"	"	♀	"	"	"		✓
"	"	"	♀	"	"	"		✓
"	"	"	♀	"	"	"		✓
"	"	Mar 35	♀	Citrus	W.K. Dallas	"		✓
"	"	18 Apr 38	♀	On Apple leaves	W. Cottier	"		✓
"	"	"	♀	"	"	"		✓
"	"	"	♀	"	"	"		✓
Annesbrooke	NN	4 Mar 33	♀	X Benthamia	-	"		✓
Nelson	NN	25 Jan 64	♀	On Prunus Prunus lusitanicus	ES. G. Spiller	"	17 specimens	✓
"	"	"	♀	"	"	"	10 specimens	✓
"	"	"	♀	"	"	"	6 "	✓
"	"	"	♀	"	"	"	9 "	✓
"	"	"	♀	"	"	"	6 "	✓

Locality	Code	date	sex	Host Plant	Collector	Deposit	Apb.	Mac.
Innesbrock	NN	4 Mar 33	♀	x Benthamia	-	NZAC DSR		✓
Nelson	NN	25 Jun 64	♀	Prunus lusitanicus	E.S.G.	"	6 specimens	✓
K K K	?	10 Apr 35	♀	Lemon	-	"		✓
Cawthron	NN	23 Jun 41	♀	Escalonia	-	"		✓
Auckland	AK	-	♀	Rhododendron	Paynter	"	3 nymphs	✓
"	AK	13 Oct 32	♀	"	"	"	2	✓
"	"	"	"	"	"	"		✓
"	"	"	"	"	"	"		✓
"	"	"	"	"	"	"		✓
Auckland	AK	24 Feb 33	♀	azaleas	J. Muggerridge Paynter	"		✓
"	"	"	♀	"	"	"		✓
-	-	13 Oct 32	♀	Rhododendron	Paynter	"		✓
"	"	"	"	"	"	"		✓
"	"	"	"	"	"	"		✓
Nursery	"	31 Mar 35	♀	Lemon	W.K. Dallas	"		✓
Auckland	"	-	♀	Lemon	Paynter	"		✓
"	"	"	"	"	"	"		✓
Cawthron	NN	23 Jun 41	♀	Escalonia	-	✓	papae	✓
"	"	"	"	"	-	✓	nymph	✓
-	-	-	♀	-	Paynter	✓		✓
-	-	-	♀	-	"	✓		✓
-	-	-	♀	-	"	✓		✓
Auckland	AK	3 Feb 52	♀	x Citrus	K.P. Lamb	✓		✓
"	"	"	♀	"	"	✓		✓
Henderson	AK	May 51	♀	x Lemon leaves	E. Bray	✓		✓
Karaka	-	4 Oct 50	♀	Glasshouse x Cyclamen	K.P. Lamb	✓		✓
Tauranga	BP	53	♀	NZ Grapefruit	Depb. Ag	✓		✓
Auckland	AK	2 Feb 50	♀	x Vitis leaves	R. Bentley	✓		✓
Auckland	AK	Apr 50	♀	Attacking Carissa grandiflora	A. Farmer	✓		✓
Henderson	AK	10 Mar 50	♀	x Vitis leaves	H. Jurelich	✓		✓
Karaka	?	6 Dec 50	♀	x Hamburg grape leaves	Mr. Jolly	✓		✓
Henderson	AK	10 Mar 50	♀	x Vitis leaves	S.G. Garega	✓		✓
Little Barrier	CL	26 Nov 54	♀	x Fuchsia leaves	K.H.J. Wiese	✓		✓

(3)

Heliothrips haemorrhoidalis

Locality	Code	Date	sex	Host Plant	Collector	Deposit	Apb.	Mac.
Auckland	AK	Mar 51	♀	x Walnut leaves	E.E. Bray	NZAC DSIR		✓
"	"	"	♀	"	"	"		✓
"	"	"	♀	"	"	"		✓
"	"	"	♀	"	"	"		✓
"	"	"	♀	"	"	"	nymph x3	
"	"	"	"	"	"	"	pupa	
Auckland	AK	15 Apr 47	♀	x Iris from Japan	H. Mouat	"		✓
Palmer Nth	WI	19 May 32	♀	x Lemon	W. Cottier	"		✓
Titirangi	AK	6 Mar 44	♀	x Mandevilla leaves	M.W. Carter	"		✓
Kerikeri	ND	Mar 35	♀	x Lemon	W.K. Dallas	"		✓
Tauranga	BP	Apr. 54	♀	x Lemon	W. Fletcher	"		✓
Auckland	AK	30 May 46	♀	x Luculia	Fruit Ensp.	"		✓
"	AK	30 Apr 46	♀	x Carissa grandiflora	M.W. Carter	"		✓
Palmer Nth	WI	14 Jun 30	♀	x Rose leaves	W. Cottier	"		✓
Auckland	AK	29 Sep 45	♀	x Citrus	M.W. Carter	"		✓
Cawthron	NN	23 Jun 41	♀	Escalonia		"		✓
Kerikeri	ND	9 May 33	♀	Tung Oil tree	Paynter J. Muggeridge	"		✓
"	"	"	♀	"	"	"		✓
Levin	WN	15 May 56	♀	x Pine leaves	-	"		✓
Auckland	AK	-	♀	Persimmon	Paynter	"		✓
"	"	"	♀	"	"	"		✓
"	"	-	♀	Rhododendron	"	"		"
"	"	-	♀	"	"	"		✓
"	"	13 Oct 32	♀	Rhododendron	"	"		✓
"	"	"	♀	"	"	"		✓
"	"	-		Lemon	"	"	pupa	
"	"	-	♀	Apple foliage	"	"	"	✓
"	"	-	♀	Lemon	"	"		✓
"	"	-	-	"	"	"	pupa	
Manurewa	AK	9 May 33	♀	Choysia termata	J. Muggeridge	"		✓
Auckland	"	-	♀	Persimmon	Paynter	"		✓
"	"	13 May 32	♀	Rhododendron	"	"		✓



(4)

Heliothrips haemorrhoidalis

Locality	Code	Date	sex	Host Plant	Collector	Deposit	Apt.	Mac
Auckland	AK	13 May 32	♀	Rhododendron	Paynter	NZAC DSHR		✓
Te Kuiti	WO	25 Mar 37 J. Yates	♀	Ex Laur istana	J. Yates	"		✓
Bethells	AK	19 May 75	♀	On Gunnera arenaria	J.M. Dingley	"		✓
"	"	"	"	"	"	"		✓
"	"	"	"	"	"	"		✓
"	"	"	"	"	"	"		✓
Nursery	AK	31 Mar 35	♀	Lemon	W.K. Dallas	"		✓
KKK	?	10 Apr 35	♀	Lemon	-	"		✓
Nursery	AK	31 Mar 35	♀	Lemon	W.K. Dallas	"		✓
KKK	-	10 Apr 35	♀	"	-	"		✓
"	-	10 Apr 35	♀	"	-	"		✓
"	-	"	♀	"	-	"		✓
"	-	"	♀	"	-	"		✓
Herds Nursery	AK	31 Mar 35	♀	"	W.K. Dallas	"		✓
KKK	-	10 Apr 35	♀	"	-	"		✓
Herds Nar.	AK	31 Mar 35	♀	"	W.K. Dallas	"		✓
"	"	"	♀	"	"	"		✓
"	"	"	♀	"	"	"		✓
"	"	"	♀	"	"	"		✓
"	"	"	♀	"	"	"		✓
KKK	-	10 Apr 35	♀	"	-	"		✓
Nursery	AK	31 Mar 35	♀	"	W.K. Dallas	"		✓
Nursery	"	"	♀	"	"	"		✓
"	"	"	♀	"	"	"		✓
Auckland	AK	-	♀	Persimmon	Paynter	"		✓
"	"	-	♀	"	"	"		✓
"	"	-	♀	Peach foliage	"	"		✓
"	"	-	♀	"	"	"		✓
Avondale	AK	24 Feb 33	♀	Azaleas	"	"		✓
Manurewa	AK	9-Jun-?	♀	choysia ternata	"	"		✓
"	"	"	♀	"	"	"		✓
Kerikeri	ND	9 May 33	♀	Tung oil tree	Muggerridge	"		✓
Avondale	AK	24 Feb 33	♀	Azaleas	"	"		✓
"	"	"	♀	"	"	"		✓

Locality	Code	Date	Sex	Host Plant	Collector	Deposit	Apt.	Mac
Auckland	AK	-	♀	Apple foliage	Paynter	NZAC DSLR		✓
"	"	-	♀	"	"	"		✓
"	"	-	♀	"	"	"		✓
Serikeri	ND	9 May 33	♀	Tung Oil tree	Muggeridge	"		✓
Auckland	AK	-	♀	Peach foliage	Paynter	"		✓
"	AK	-	♀	Rhododendron	"	"		✓
SPS, RS43 PA			♀	Grasslands Survey	R.A. Cumber	"		✓
Palm Nth	W1	Sep 57	♀	Ex Knightia	? "	"		✓
"	"	"	♀	"	"	"		✓
"	"	"	♀	"	"	"		✓
"	"	"	♀	"	"	"		✓
Titirangi	AK	18 Feb 74		X Escalonia	N. F. Martin	"	nymphs	✓
"	"	"		"	"	"	"	✓
"	"	14 Feb 74	♀	"	"	"	"	✓
"	AK	18 Feb 74	♀	"	"	"		✓
"	"	"	♀	"	"	"		✓
"	"	"	♀	"	"	"		✓
"	"	"	♀	"	"	"	4 ♀'s	✓
"	"	"	♀	"	"	"		✓
"	"	"	♀	"	"	"		✓
"	"	"	♀	"	"	"		✓
"	"	"	♀	"	"	"		✓
"	"	30 Dec 74		Rose leaf	"	"	5 nymphs	} ? haemorrhoids
"	"	"		"	"	"	nymph	
"	"	"		"	"	"	"	
"	"	"		"	"	"	"	
"	"	"		"	"	"	"	
"	"	"		"	"	"	"	
"	"	"		"	"	"	"	
"	"	"		"	"	"	"	
"	"	"		"	"	"	"	
"	"	"		"	"	"	"	
Ramui	AK	5 Feb 75		Kiwi fruit leaves	P.M. Ferguson	"	nymph	✓
Little Barrier	CL	22 Feb 76	♀	Hollyhock Athaea rosa	P. K. Walker	"		✓

Locality	Code	Date	Sex	Host Plant	Collector	Deposit	Apt.	Mac.
Little Barrier	CL	22 Feb 76	♀	On Camellia	A.K.W	NZAC DSLR		✓
"	"	"	♀	"	"	"		✓
"	"	"	♀	"	"	"		✓
"	"	"	♀	-	"	"	pupa	✓
"	"	"	♀	-	"	"		✓
"	"	"	♀	-	"	"		✓
Titirangi	AK	18 Feb 74		On Escalonia	N.D. Martin	"	nymphs	
Pohangha v Rangitikei	RI	4 Jan 75	♀	Litter 75/29 Native	J.C. Watt	"		✓
Innesbrook	NN	4 Mar 33	♀	Ex Benthamia	-	"		✓
Titirangi	AK	30 Dec 74	♀	x Rose leaf	N.D. Martin	"	ass. nymph + pupa	✓
Nelson	NN	30 Jun 64	♀	On Prunus lusitanicus	ESG	"		✓
Little Barrier	CL	22 Feb 76	♀	Fushia leaves up. + lower	AKW	"		✓
"	"	"	♀	"	"	"	ass. pupa	✓
Te Kuiti	WO	25 Mar 37	♀	From Lauristina	-	"		✓
Hikurangi	ND	2 Mar 76	♀	Sweeping Zea B.M.N. mays	R.L. Hitt	"		✓
Te Kauwhata	WO	23 Feb 76	♀	Sweeping Zea mays	R.L. Hitt	"		✓
Keri Keri	ND	-	♀	Lemon	-	"		✓
"	"	"	♀	"	-	"		✓
P.N	WI	Mar 30	♀	Viburnum		"		✓
"	"	"	♀	"	J.C. Neill	"		✓
Christchurch	MC	5 Jun 70	♀	disregard - cannot find specimen! On Viburnum p. binus under Ngaio + coprosma	F.D. Low			✓
Stephens I	SD	Feb 71	♀	Litter 71/70 Nature	G. McBurney	"		✓
Fuchland	AK	18 Apr 38	♀	Apple foliage	W. Collier	Det. BMNH		✓
"	"	"	"	"	"	"		✓
"	"	24 Jan 77	"	Muehlenbeckia axillaris	AKW	"		✓
Hastings	HB	16 Jan 76	♀	x Peach 3 specims.	Reeve	MAF		✓
Bethlehem	AK	1 Aug 72	♀	On orange	Rondel	"		✓
Huddand	AK	15 - 73	♀	14 spec. x Pinus sp	-	"		✓
"	"	18 Jan 74	♀	8 " x Knightia excelsa	-	"		✓
Tauranga	ND	10 Jun 75	♀	Chamaecyparis pisifera	-	"		✓
"	"	"	♀	2 specimens " "	-	"		✓
Fuchland	AK	27 Apr 76	♀	3 " Malsus sylvestrius	-	"		✓

(7)

Heliothrips haemorrhoidalis
(Bouché)

Locality	Code	Date	Sex	Host plant <i>discoloration + spotty foliage</i>	Collector	Dep.	Apt	Mac
Te Puna	GB	23 Feb 77	♀	X pine needles assoc. with Andersons nursery	T. Bateman	MAFF		✓
Napier	HB	15 Dec 77	♀ + 2 prepupae	x Pilea leaves	J. Dann	MAFF		✓
Te Puke Tustain	BP	14 Apr. 77	♀	Unsprayed <i>Actinidia chinensis</i> leaf	M.K. Moloney	NZAC DSTR		✓
"	"	"	♀	"	"	"		✓
Oraia Research Orch	AK	5 Oct 77	♀	On <i>Citrus reticulata</i> x <i>paradisi</i> leaves	M.K. York	"		✓
Mt. Albert Res. Cen.	AK	13 Feb 77	♀	On <i>Acmena hedge</i> leaves	P.K. Weather	"		✓
"	"	"	♀	"	"	"		✓
"	"	"	♀	causing silencing On <i>Cistus albiflorus</i> leaves	"	"		✓
Mt. Albert	AK	24 Jun 77	♀	On <i>Diospyros fruit</i> (<i>persimmon</i>)	L.L. Dentz	"		✓
Mt. Albert Res. Stn	"	13 Feb 77	♀	On <i>Camellia</i> leaves	P.K. Weather	"		✓
Mt. Albert	"	27 Feb 77	♀	On <i>fuchsia</i> leaves causing silencing	P.K. Weather	"		✓
Mt. Albert Res. Stn	AK	13 Feb 77	♀	causing silencing On <i>rock rose Cistus albiflorus</i>	"	"		✓
Tustain, Te Puke	BP	14 Apr 77	♀	Unsprayed kiwifruit leaf.	M.K. Moloney	"		✓
Ranuera	AK	14 Mar 78	♀	x <i>Pinus radiata</i>	"	MAFF		✓
Whutipu	AK	24 Feb 79	♂ ♂s	ssp On <i>Muehlenbeckia</i> foliage	LAW-1499 BLW-69	NZAC DSTR		✓
"	"	"	♀	On <i>Ulex europaeus</i> foliage	P.K. Weather	"		✓