

Appendix

See text in Page 148 (SAKAMAKI).

Appendix. Distribution of pests (Insecta and Arachnida) in Amami Islands.

Serial	Scientific name of pest arthropods				Distribution				
	Order	Family	Species	Author	KK	AO	TK	OE	YR
1	Blattaria	Blattellidae	<i>Blattella lituricollis</i>	(Walker)		x	x	x	
2	Isoptera	Rhinotermitidae	<i>Coptotermes formosanus</i>	Shiraki		x	x		
3	Isoptera	Rhinotermitidae	<i>Reticulitermes speratus</i>	(Kolbe)		x			
4	Orthoptera	Gryllotalpidae	<i>Gryllotalpa fossor</i>	Scudder		x		x	
5	Orthoptera	Mogoplistidae	<i>Ornebius kanetataki</i>	(Matsumura)		x	x	x	
6	Orthoptera	Gryllidae	<i>Pteronemobius nigrofasciatus</i>	(Matsumura)		x	x	x	
7	Orthoptera	Gryllidae	<i>Teleogryllus taiwanemima</i>	(Ohmachi & Matsuura)	x	x	x	x	x
8	Orthoptera	Tettigoniidae	<i>Conocephalus japonicus</i>	(Redtenbacher)		x			
9	Orthoptera	Tettigoniidae	<i>Conocephalus gladiatus</i>	(Redtenbacher)		x			
10	Orthoptera	Tettigoniidae	<i>Conocephalus maculatus</i>	(LeGuillou)		x		x	
11	Orthoptera	Tettigoniidae	<i>Ducetia japonica</i>	(Thunberg)		x		x	
12	Orthoptera	Tettigoniidae	<i>Euconocephalus thunbergii</i>	(Stål)		x	x	x	
13	Orthoptera	Tettigoniidae	<i>Gampsocleis buergeri</i>	(de Haan)		x			
14	Orthoptera	Tettigoniidae	<i>Mecopoda elongata</i>	(Linnaeus)		x	x	x	
15	Orthoptera	Pyrgomorphidae	<i>Atractomorpha lata</i>	(Motschulsky)		x	x	x	
16	Orthoptera	Pyrgomorphidae	<i>Atractomorpha psittacina</i>	(de Haan)		x	x	x	
17	Orthoptera	Acrididae	<i>Acrida cinerea</i>	(Thunberg)		x	x	x	x
18	Orthoptera	Acrididae	<i>Aiolopus tamulus</i>	(Fabricius)		x	x	x	
19	Orthoptera	Acrididae	<i>Catantops splendens</i>	(Thunberg)		x			
20	Orthoptera	Acrididae	<i>Gastrimargus marmoratus</i>	(Thunberg)		x	x	x	
21	Orthoptera	Acrididae	<i>Heteropternis respondens</i>	(Walker)	x	x	x	x	
22	Orthoptera	Acrididae	<i>Locusta migratoria</i>	(Linnaeus)	x	x	x	x	
23	Orthoptera	Acrididae	<i>Patanga japonica</i>	(Bolivar)		x	x	x	
24	Orthoptera	Acrididae	<i>Patanga succincta</i>	(Linnaeus)		x	x	x	
25	Orthoptera	Acrididae	<i>Gesonula punctifrons</i>	(Stål)		x	x		
26	Orthoptera	Acrididae	<i>Sinopodisma punctata</i>	Mistshenko		x			
27	Orthoptera	Acrididae	<i>Taulia ornata amamiensis</i>	Yamasaki		x	x		
28	Orthoptera	Acrididae	<i>Oxya chinensis formosana</i>	Shiraki		x		x	
29	Orthoptera	Acrididae	<i>Oxya japonica</i>	(Thunberg)		x	x	x	
30	Orthoptera	Tetrigidae	<i>Criotettix japonicus</i>	(de Haan)	?	?	?	?	?
31	Orthoptera	Tetrigidae	<i>Euparatettix insularis</i>	Bei-Bienko		x	x	x	
32	Orthoptera	Tetrigidae	<i>Tetrix japonica</i>	(Bolivar)		x			
33	Orthoptera	Tridactylidae	<i>Xya japonica</i>	(de Haan)		x	x		
34	Thysanoptera	Aeolothripidae	<i>Aeolothrips kurosawai</i>	Bhatti		x			
35	Thysanoptera	Thripidae	<i>Frankliniella intonsa</i>	(Trybom)		x			
36	Thysanoptera	Thripidae	<i>Fulmekiola serrata</i>	(Kobus)		x			
37	Thysanoptera	Thripidae	<i>Heliothrips haemorrhoidalis</i>	(Bouche)	x				
38	Thysanoptera	Thripidae	<i>Hercinothrips femoralis</i>	(Reuter)			x		
39	Thysanoptera	Thripidae	<i>Scirtothrips dorsalis</i>	Hood	x	x	x	x	
40	Thysanoptera	Thripidae	<i>Selenothrips rubrocinctus</i>	(Giard)		x	x		x
41	Thysanoptera	Thripidae	<i>Stenchaetothrips minutus</i>	(vanDeventer)		x			
42	Thysanoptera	Thripidae	<i>Thrips flavus</i>	Schrank		x			
43	Thysanoptera	Thripidae	<i>Thrips hawaiiensis</i>	(Morgan)	x	x	x	x	
44	Thysanoptera	Thripidae	<i>Thrips nigropilosus</i>	Uzel		x			
45	Thysanoptera	Thripidae	<i>Thrips palmi</i>	Karny		x			
46	Thysanoptera	Thripidae	<i>Thrips simplex</i>	(Morison)				?	
47	Thysanoptera	Thripidae	<i>Thrips tabaci</i>	Lindeman		x	?		
48	Thysanoptera	Phlaeothripidae	<i>Haplothrips aculeatus</i>	(Fabricius)		x			
49	Thysanoptera	Phlaeothripidae	<i>Haplothrips brevitubus</i>	(Karny)		x			
50	Thysanoptera	Phlaeothripidae	<i>Haplothrips chinensis</i>	Priesner				x	
51	Hemiptera	Delphacidae	<i>Laodelphax striatellus</i>	(Fallen)		x			
52	Hemiptera	Delphacidae	<i>Nilaparvata lugens</i>	(Stål)		x	x		
53	Hemiptera	Delphacidae	<i>Numata mui</i>	(Kirkaldy)		x			
54	Hemiptera	Delphacidae	<i>Perkinsiella saccharicida</i>	Kirkaldy		x	x		
55	Hemiptera	Delphacidae	<i>Perkinsiella sinensis</i>	Kirkaldy		x			
56	Hemiptera	Delphacidae	<i>Tripidocephala brunneipennis</i>	Signoret		x			

This list is arranged mainly based on Setoguchi (2002), but partially (especially on Lepidoptera) modified by my original data. Island name in distribution records abbreviated as follows. KK, AO, TK, OE and YR mean Kikaijima, Amami-Oshima, Tokunoshima, Okinoerabujima and Yoronjima Islands, respectively. "?" means no reliable information.

Appendix-ii. Continued.

Scientific name of pest arthropods					Distribution				
Serial	Order	Family	Species	Author	KK	AO	TK	OE	YR
57	Hemiptera	Delphacidae	<i>Sogatella furcifera</i>	(Horvath)		x			
58	Hemiptera	Delphacidae	<i>Ugyops vittatus</i>	(Matsumura)		x			
59	Hemiptera	Meenoplidae	<i>Nisia nervosa</i>	(Motschulsky)		x			
60	Hemiptera	Dictyopharidae	<i>Dictyophara patruelis</i>	(Stål)		x			
61	Hemiptera	Flatidae	<i>Geisha distinctissima</i>	(Walker)	x	x	x		x
62	Hemiptera	Flatidae	<i>Mimophantia maritima</i>	Matsumura		x			
63	Hemiptera	Ricaniidae	<i>Orosanga japonicus</i>	(Melichar)		x			
64	Hemiptera	Ricaniidae	<i>Ricania binotata</i>	Walker		x			
65	Hemiptera	Cicadidae	<i>Cryptotympana facialis</i>	(Walker)		x		x	x
66	Hemiptera	Cicadidae	<i>Graptosaltia bimaculata</i>	Kato		x	x	x	x
67	Hemiptera	Cicadidae	<i>Platypleura kaempferi</i>	(Fabricius)		x	x	x	x
68	Hemiptera	Cicadidae	<i>Platypleura kuroiwa</i>	Matsumura	x	x	x	x	x
69	Hemiptera	Tartessidae	<i>Tartessus ferrugineus</i>	(Walker)		x			
70	Hemiptera	Typhlocybidae	<i>Edwardsiana flavescens</i>	(Fabricius)		x			
71	Hemiptera	Cicadellidae	<i>Cofana spectra</i>	(Distant)		x			
72	Hemiptera	Cicadellidae	<i>Kolla atramentaria</i>	(Motschulsky)	?	?	?	?	?
73	Hemiptera	Delphacidae	<i>Nephotettix cincticeps</i>	(Uhler)		x			
74	Hemiptera	Delphacidae	<i>Nephotettix nigropictus</i>	(Stål)		x			
75	Hemiptera	Delphacidae	<i>Nephotettix verescens</i>	(Distant)		x			
76	Hemiptera	Psyllidae	<i>Diaphorina citri</i>	Kuwayama	x	x	x	x	x
77	Hemiptera	Carsidaridae	<i>Microceropsylla nigra</i>	Crawford		x	x	x	x
78	Hemiptera	Aphididae	<i>Acyrtosiphon kondoi</i>	Shinji & Kondo		x			
79	Hemiptera	Aphididae	<i>Acyrtosiphon pisum</i>	(Harris)		x			
80	Hemiptera	Aphididae	<i>Anoecia fulvabdominalis</i>	(Sasaki)		x			
81	Hemiptera	Aphididae	<i>Aphis craccivora</i>	Koch		x			
82	Hemiptera	Aphididae	<i>Aphis gossypii</i>	Glover	x	x	x	x	x
83	Hemiptera	Aphididae	<i>Aphis kurosawai</i>	Takahashi		x		x	
84	Hemiptera	Aphididae	<i>Aphis neri</i>	Boyer de Fonscolombe		x			
85	Hemiptera	Aphididae	<i>Aphis spiraeicola</i>	Patch	x	x	x	x	
86	Hemiptera	Aphididae	<i>Aulacorthum magnoliae</i>	(Essig & Kuwana)	x	x			
87	Hemiptera	Aphididae	<i>Aulacorthum solani</i>	(Kaltenbach)		x			
88	Hemiptera	Aphididae	<i>Brachycaudus helichrysi</i>	(Kaltenbach)		x			
89	Hemiptera	Aphididae	<i>Ceratovacuna lanigera</i>	Zehntner	x	x	x	x	x
90	Hemiptera	Aphididae	<i>Geocia lucifuga</i>	(Zehntner)		x			
91	Hemiptera	Aphididae	<i>Greenidea formosana</i>	(Maki)		x			
92	Hemiptera	Aphididae	<i>Hyalopteris pruni</i>	(Geoffroy)		x			
93	Hemiptera	Aphididae	<i>Hyperomyzus lactucae</i>	(Linnaeus)		x			
94	Hemiptera	Aphididae	<i>Lipaphis erysimi</i>	(Kaltenbach)		x			
95	Hemiptera	Aphididae	<i>Macrosiphoniella pseudoartemisiae</i>	Shinji		x			
96	Hemiptera	Aphididae	<i>Macrosiphoniella sanborni</i>	(Gillette)		x			
97	Hemiptera	Aphididae	<i>Macrosiphum euphorbiae</i>	(Thomas)		x	x		
98	Hemiptera	Aphididae	<i>Melanaphis sacchari</i>	(Zehntner)	x	x	x	x	x
99	Hemiptera	Aphididae	<i>Micrapsis artemisiae</i>	(Takahashi)		x			
100	Hemiptera	Aphididae	<i>Myzus mumecola</i>	(Matsumura)		x			
101	Hemiptera	Aphididae	<i>Myzus persicae</i>	(Sulzer)	x	x	x	x	x
102	Hemiptera	Aphididae	<i>Neotoxoptera formosana</i>	(Takahashi)		x			
103	Hemiptera	Aphididae	<i>Nippolachnus piri</i>	Matsumura		x			
104	Hemiptera	Aphididae	<i>Pentalonia nigronervosa</i>	Coquerel		x			
105	Hemiptera	Aphididae	<i>Pleotrichophorus chrysanthemi</i>	(Theobald)		x			
106	Hemiptera	Aphididae	<i>Rhopalosiphum maidis</i>	(Fitch)		x			
107	Hemiptera	Aphididae	<i>Rhopalosiphum padi</i>	(Linnaeus)		x			
108	Hemiptera	Aphididae	<i>Rhopalosiphum rufiabdominalis</i>	(Sasaki)		x		x	
109	Hemiptera	Aphididae	<i>Sitobion akebiae</i>	(Shinji)		x			
110	Hemiptera	Aphididae	<i>Tetraneura javaensis</i>	van der Goot		x			
111	Hemiptera	Aphididae	<i>Toxoptera auranti</i>	(Boyer de Fonscolombe)	x				
112	Hemiptera	Aphididae	<i>Toxoptera citricidus</i>	(Kirkaldy)		x			
113	Hemiptera	Aphididae	<i>Toxoptera odinae</i>	(van der Goot)	x	x	x	x	
114	Hemiptera	Aphididae	<i>Uroleucon formosanum</i>	(Takahashi)		x			
115	Hemiptera	Aleyrodidae	<i>Aleurocanthus spiniferus</i>	(Quaintance)		x			
116	Hemiptera	Aleyrodidae	<i>Bemisia argentifolii</i>	Bellows & Perring			x	x	
117	Hemiptera	Aleyrodidae	<i>Trialeurodes vaporariorum</i>	(Westwood)			x		
118	Hemiptera	Margarodidae	<i>Drosicha corpulenta</i>	(Kuwana)				x	
119	Hemiptera	Margarodidae	<i>Icerya aegyptiaca</i>	(Douglas)				x	

Appendix-iii. Continued.

Scientific name of pest arthropods					Distribution				
Serial	Order	Family	Species	Author	KK	AO	TK	OE	YR
120	Hemiptera	Margarodidae	<i>Icerya purchasi</i>	Maskell		x	x		
121	Hemiptera	Margarodidae	<i>Icerya seychellarum</i>	(Westwood)		x			
122	Hemiptera	Pseudococcidae	<i>Dysmicoccus brevipes</i>	(Cockerell)		x			
123	Hemiptera	Pseudococcidae	<i>Planococcus citri</i>	(Risso)		x			x
124	Hemiptera	Pseudococcidae	<i>Pseudococcus comstocki</i>	(Kuwana)		x		x	
125	Hemiptera	Pseudococcidae	<i>Saccharicoccus sacchari</i>	(Cockerell)	x	x	x	x	x
126	Hemiptera	Eriococcidae	<i>Eriococcus henmii</i>	Kuwana		x			
127	Hemiptera	Coccidae	<i>Ceroplastes ceriferus</i>	(Fabricius)	?	?	?	?	?
128	Hemiptera	Coccidae	<i>Ceroplastes cirripediformis</i>	Comstock		x			
129	Hemiptera	Coccidae	<i>Ceroplastes floridensis</i>	Comstock		x	x	x	
130	Hemiptera	Coccidae	<i>Ceroplastes japonicus</i>	Green		x			
131	Hemiptera	Coccidae	<i>Coccus acutissimus</i>	(Green)		x			
132	Hemiptera	Coccidae	<i>Coccus discrepans</i>	(Green)		x			
133	Hemiptera	Coccidae	<i>Coccus hesperidum</i>	Linnaeus		x			
134	Hemiptera	Coccidae	<i>Coccus longulus</i>	(Douglas)					x
135	Hemiptera	Coccidae	<i>Parasaissetia nigra</i>	(Nietner)		x	x		
136	Hemiptera	Coccidae	<i>Pulvinaria aurantii</i>	Cockerell		x			
137	Hemiptera	Coccidae	<i>Saissetia coffeae</i>	(Walker)		x		x	
138	Hemiptera	Coccidae	<i>Saissetia oleae</i>	(Bernard)				x	
139	Hemiptera	Diaspididae	<i>Abgrallaspis cyanophylli</i>	(Signoret)		x			
140	Hemiptera	Diaspididae	<i>Anidiella aurantii</i>	(Maskell)		x	x		
141	Hemiptera	Diaspididae	<i>Aspidiotus destructor</i>	Signoret		x			x
142	Hemiptera	Diaspididae	<i>Aulacaspis tubercularis</i>	Newstead			x		x
143	Hemiptera	Diaspididae	<i>Chrysomphalus ficus</i>	Ashmead		x			
144	Hemiptera	Diaspididae	<i>Comstockaspis perniciosa</i>	(Comstock)	?	?	?	?	?
145	Hemiptera	Diaspididae	<i>Diaspis bromeliae</i>	(Kerner)		x			
146	Hemiptera	Diaspididae	<i>Genaparlatoria pseudaspidiotus</i>	(Lindinger)					x
147	Hemiptera	Diaspididae	<i>Hemiberlesia lataniae</i>	(Signoret)	x	x			
148	Hemiptera	Diaspididae	<i>Lepidosaphes beckii</i>	(Newman)		x			
149	Hemiptera	Diaspididae	<i>Lepidosaphes gloverii</i>	(Packard)		x			
150	Hemiptera	Diaspididae	<i>Lopholeucaspis japonica</i>	(Cockerell)		x			
151	Hemiptera	Diaspididae	<i>Morganella longispina</i>	(Morgan)		x			x
152	Hemiptera	Diaspididae	<i>Parlatoria ziziphi</i>	(Lucas)		x			
153	Hemiptera	Diaspididae	<i>Pinnaspis aspidistrae</i>	(Signoret)		x			
154	Hemiptera	Diaspididae	<i>Pseudoaonidia trilobitiformis</i>	(Green)		x			
155	Hemiptera	Diaspididae	<i>Pseudaulacaspis cockerelli</i>	(Cooley)		x			
156	Hemiptera	Diaspididae	<i>Pseudaulacaspis pentagona</i>	(Targioni)		x			
157	Hemiptera	Diaspididae	<i>Pseudaulacaspis prunicola</i>	(Maskell)		x			
158	Hemiptera	Diaspididae	<i>Unaspis yanonensis</i>	(Kuwana)		x	x		
159	Hemiptera	Miridae	<i>Apolygus spinolae</i>	(Meyer-Dur)		x			
160	Hemiptera	Miridae	<i>Halticellus insularis</i>	(Usinger)		x			
161	Hemiptera	Lygaeidae	<i>Cavelerius saccharivorus</i>	(Okajima)	x	x	x	x	x
162	Hemiptera	Lygaeidae	<i>Nysius plebejus</i>	Distant				x	x
163	Hemiptera	Lygaeidae	<i>Togo hemipterus</i>	(Scott)			x		
164	Hemiptera	Pyrrhocoridae	<i>Dysdercus cingulatus</i>	(Fabricius)		x	x		
165	Hemiptera	Largidae	<i>Physopelta cincticollis</i>	Stål		x	x		
166	Hemiptera	Largidae	<i>Physopelta gutta</i>	(Burmeister)		x		x	
167	Hemiptera	Alydidae	<i>Leptocoris acuta</i>	(Thunberg)		x	x		
168	Hemiptera	Alydidae	<i>Leptocoris chinensis</i>	(Dallas)		x	x		
169	Hemiptera	Alydidae	<i>Leptocoris oratorius</i>	(Fabricius)		x			
170	Hemiptera	Alydidae	<i>Riptortus clavatus</i>	(Thunberg)		x	x		
171	Hemiptera	Coreidae	<i>Acanthocoris sordidus</i>	(Thunberg)		x	x	x	
172	Hemiptera	Coreidae	<i>Anacanthocoris stricornis</i>	(Scott)		x			
173	Hemiptera	Coreidae	<i>Cletus punctiger</i>	(Dallas)		x	x		
174	Hemiptera	Coreidae	<i>Homoeocerus marginiventris</i>	Dohm			x		
175	Hemiptera	Coreidae	<i>Homoeocerus unipunctatus</i>	(Thunberg)		x			
176	Hemiptera	Coreidae	<i>Leptoglossus australis</i>	(Fabricius)		x	x		
177	Hemiptera	Coreidae	<i>Paradasynus spinosus</i>	Hsiao		x			x
178	Hemiptera	Cydnidae	<i>Aethus indicus</i>	(Westwood)			x		
179	Hemiptera	Cydnidae	<i>Aethus nigrinus</i>	(Fabricius)			x		
180	Hemiptera	Cydnidae	<i>Geotomus pygmaeus</i>	(Dallas)			x		
181	Hemiptera	Pentatomidae	<i>Eurydema dominulus</i>	(Scopoli)		x	x		
182	Hemiptera	Pentatomidae	<i>Eysarcoris guttiger</i>	(Thunberg)		x	x		

Appendix-iv. Continued.

Scientific name of pest arthropods					Distribution				
Serial	Order	Family	Species	Author	KK	AO	TK	OE	YR
183	Hemiptera	Pentatomidae	<i>Eysarcoris ventralis</i>	(Westwood)		x	x	x	
184	Hemiptera	Pentatomidae	<i>Glaucias subpunctatus</i>	Walker		x	x		
185	Hemiptera	Pentatomidae	<i>Graphosoma rubrolineatum</i>	(Westwood)		x	x		
186	Hemiptera	Pentatomidae	<i>Halymorpha picus</i>	(Fabricius)	x	x			
187	Hemiptera	Pentatomidae	<i>Lagynotomus elongatus</i>	(Dallas)		x			
188	Hemiptera	Pentatomidae	<i>Nezara antennata</i>	Scott		x	x		
189	Hemiptera	Pentatomidae	<i>Nezara vividula</i>	(Linnaeus)		x	x	x	
190	Hemiptera	Pentatomidae	<i>Palomena angulosa</i>	(Motschulsky)			x		
191	Hemiptera	Pentatomidae	<i>Piezodorus hybneri</i>	(Gmelin)		x	x		
192	Hemiptera	Pentatomidae	<i>Plautia crossota stali</i>	Scott	x	x	x		
193	Hemiptera	Pentatomidae	<i>Scotinophara lurida</i>	(Burmeister)		x	x		
194	Hemiptera	Phyllocephalidae	<i>Gonopsis affinis</i>	(Uhler)			x		
195	Coleoptera	Scarabaeidae	<i>Alissonotum pauper</i>	(Burmeister)		x		x	
196	Coleoptera	Scarabaeidae	<i>Anomala chloroderma</i>	Arrow		x	x	x	
197	Coleoptera	Scarabaeidae	<i>Anomala albopilosa gracilis</i>	Schönfeldt	x	x	x		
198	Coleoptera	Scarabaeidae	<i>Anomala albopilosa yashiroi</i>	Sawada			x	x	x
199	Coleoptera	Scarabaeidae	<i>Anomala matsumurai</i>	Sawada	?	?	?	?	?
200	Coleoptera	Scarabaeidae	<i>Anomala triangularis</i>	Schonfeldt		x	x	x	x
201	Coleoptera	Scarabaeidae	<i>Anomala xanthopleura</i>	Arrow			x		
202	Coleoptera	Scarabaeidae	<i>Blitopertha orientalis</i>	(Waterhouse)		x			
203	Coleoptera	Scarabaeidae	<i>Holotrichia amamiana</i>	(Nomura)		x	x		
204	Coleoptera	Scarabaeidae	<i>Maladera castanea</i>	(Arrow)		x			
205	Coleoptera	Scarabaeidae	<i>Maladera orientalis</i>	(Motschulsky)		x			
206	Coleoptera	Scarabaeidae	<i>Oxyctonia forticula</i>	(Janson)	x	x			
207	Coleoptera	Scarabaeidae	<i>Oryctes rhinoceros</i>	(Linnaeus)	x	x	x	x	x
208	Coleoptera	Scarabaeidae	<i>Polyphylla schoenfeldti</i>	Brenske		x	x	x	x
209	Coleoptera	Scarabaeidae	<i>Popillia japonica</i>	Newman		x			
210	Coleoptera	Scarabaeidae	<i>Popillia lewisii</i>	Arrow		x			
211	Coleoptera	Scarabaeidae	<i>Protaetia ishigakia</i>	(Fairmaire)	x			x	x
212	Coleoptera	Scarabaeidae	<i>Protaetia orientalis submarumorea</i>	(Burmeister)			x		
213	Coleoptera	Scarabaeidae	<i>Protaetia pryori</i>	(Janson)	x	x	x	x	
214	Coleoptera	Scarabaeidae	<i>Tricholontha papagena</i>	Nomura			x		
215	Coleoptera	Buprestidae	<i>Agrius alesi</i>	Obenberger		x			
216	Coleoptera	Buprestidae	<i>Agrius auriventris</i>	Saunders					
217	Coleoptera	Elateridae	<i>Aeoloderma brachmana</i>	(Candeze)	x	x	x	x	
218	Coleoptera	Elateridae	<i>Melanotus cete</i>	Candeze		x			
219	Coleoptera	Elateridae	<i>Melanotus loochooensis</i>	Miwa			x	x	x
220	Coleoptera	Elateridae	<i>Melanotus okinawensis</i>	(Ohira)	x	x	x		
221	Coleoptera	Elateridae	<i>Melanotus sakishimensis</i>	(Ohira)				x	x
222	Coleoptera	Elateridae	<i>Melanotus senilis</i>	Gandeze		x			
223	Coleoptera	Nitidulidae	<i>Parametopia xrubrum</i>	Reitter		x			
224	Coleoptera	Silvanidae	<i>Psammoeus triguttatus</i>	Reitter		x			
225	Coleoptera	Coccinellidae	<i>Epilachna boisduvali</i>	Mulsant	x	x	x	x	x
226	Coleoptera	Coccinellidae	<i>Epilachna vigintioctopunctata</i>	(Fabricius)		x	x	x	
227	Coleoptera	Coccinellidae	<i>Epilachna vigintioctomaculata</i>	(Motschulsky)		x			
228	Coleoptera	Cerambycidae	<i>Anoplophora malasiaca</i>	(Thomson)	x	x	x	x	x
229	Coleoptera	Cerambycidae	<i>Anoplophora oshimana</i>	(Fairmaire)		x	x	x	
230	Coleoptera	Cerambycidae	<i>Apomecyna histrio</i>	(Fabricius)		x	x		
231	Coleoptera	Cerambycidae	<i>Apriona nobuoi</i>	Breuning & Ohbayashi		x			
232	Coleoptera	Cerambycidae	<i>Chlorophorus annularis</i>	(Fabricius)		x	x	x	
233	Coleoptera	Chrysometidae	<i>Aulacophora femoralis</i>	(Motschulsky)	x	x	x	x	x
234	Coleoptera	Chrysometidae	<i>Aulacophora nigripennis</i>	Motschulsky		x			
235	Coleoptera	Chrysometidae	<i>Cassida circumdata</i>	Herbst		x			
236	Coleoptera	Chrysometidae	<i>Chaetocnema concinna</i>	(Marshall)		x	x		x
237	Coleoptera	Chrysometidae	<i>Chaetocnema concinnicollis</i>	(Baly)		x			
238	Coleoptera	Chrysometidae	<i>Chrysolina aurichalcea</i>	(Mannerheim)		x	x	x	
239	Coleoptera	Chrysometidae	<i>Colasposoma auripenne</i>	(Motschulsky)	x	x		x	
240	Coleoptera	Chrysometidae	<i>Laccoptera quadrimaculata</i>	(Thunberg)		x			
241	Coleoptera	Chrysometidae	<i>Leptispa miyamotoi</i>	Kimoto		x	x		
242	Coleoptera	Chrysometidae	<i>Pagria signata</i>	(Motschulsky)		x			
243	Coleoptera	Chrysometidae	<i>Phaedon brassicae</i>	Baly		x			
244	Coleoptera	Chrysometidae	<i>Phyllotreta striolata</i>	(Fabricius)	x	x		x	

Appendix-v. Continued.

Scientific name of pest arthropods					Distribution				
Serial	Order	Family	Species	Author	KK	AO	TK	OE	YR
245	Coleoptera	Chrysometidae	<i>Psylliodes angusticollis</i>	Baly		x	x		
246	Coleoptera	Chrysometidae	<i>Smaragdina quadratomaculata</i>	(Jacoby)		x			
247	Coleoptera	Anthribidae	<i>Araceus fasciculatus</i>	(De Geer)	x	x	x	x	
248	Coleoptera	Brentidae	<i>Cylas formicarius</i>	(Fabricius)	x	x	x	x	x
249	Coleoptera	Curculionidae	<i>Cyphicerus kuchibutonius</i>	(Kono)		x		x	
250	Coleoptera	Curculionidae	<i>Dermatoxenus caesicollis</i>	(Gyllenhal)				x	
251	Coleoptera	Curculionidae	<i>Echinocnemus squameus</i>	(Billberg)	?	?	?	?	?
252	Coleoptera	Curculionidae	<i>Eugnathus distinctus</i>	Roelofs				x	
253	Coleoptera	Curculionidae	<i>Euscepes postfasciatus</i>	(Fairmaire)	x	x	x	x	x
254	Coleoptera	Curculionidae	<i>Lissorhoptrus oryzophilus</i>	Kuschel	?	?	?	?	?
255	Coleoptera	Curculionidae	<i>Scepticus uniformis</i>	Kono		x	x		
256	Coleoptera	Rhynchophoridae	<i>Cosmopolites sordidus</i>	(Germar)		x	x		
257	Coleoptera	Rhynchophoridae	<i>Odoiporus longicollis</i>	(Olivier)		x		x	
258	Coleoptera	Rhynchophoridae	<i>Polytus mellerborgi</i>	(Boheman)		x			
259	Coleoptera	Scolytidae	<i>Euwallacea fornicatus</i>	Eichhoff			x		
260	Coleoptera	Scolytidae	<i>Poecilips nubilus</i>	(Blandford)		x			
261	Hymenoptera	Tenthredinidae	<i>Athalia rosae ruficornis</i>	Jakovlev		x			
262	Diptera	Agromyzidae	<i>Liriomyza asterivora</i>	Sasakawa		x			
263	Diptera	Agromyzidae	<i>Liriomyza brassicae</i>	(Riley)		x			
264	Diptera	Agromyzidae	<i>Liriomyza chinensis</i>	(Kato)		x			
265	Diptera	Agromyzidae	<i>Liriomyza sativae</i>	Blanchard	x	x	x	x	x
266	Diptera	Agromyzidae	<i>Liriomyza trifolii</i>	(Burgess)	x	x	x	x	x
267	Diptera	Agromyzidae	<i>Phytomyza horticola</i>	(Goureau)		x	x		
268	Diptera	Agromyzidae	<i>Ophiomyia phaseoli</i>	Tryon	x	x			x
269	Diptera	Tephritidae	<i>Paradacus depressus</i>	(Shiraki)		x			
270	Diptera	Tephritidae	<i>Tetradacus tsuneonis</i>	Miyake		x			
271	Diptera	Tephritidae	<i>Zeugodacus scutellatus</i>	(Hendel)		x			
272	Diptera	Drosophilidae	<i>Drosophila melanogaster</i>	Meigen		x			
273	Diptera	Drosophilidae	<i>Drosophila takahashii</i>	Sturtevant		x			
274	Diptera	Muscidae	<i>Atherigona boninensis</i>	Snyder		x			
275	Lepidoptera	Gelechiidae	<i>Helcystogramma triannulella</i>	(Herrich-Schäffer)	x	x	x	x	x
276	Lepidoptera	Gelechiidae	<i>Phthorimaea operculella</i>	(Zeller)		x			
277	Lepidoptera	Gelechiidae	<i>Sitotroga cerealella</i>	(Olivier)	x	x	x	x	x
278	Lepidoptera	Depressariidae	<i>Psorosticha melanocrepida</i>	Clarke		x			
279	Lepidoptera	Tortricidae	<i>Adoxophyes</i> sp. (not <i>A. orana</i>)			x			
280	Lepidoptera	Tortricidae	<i>Gatesclarkeana idia</i>	Diakonoff		x			
281	Lepidoptera	Tortricidae	<i>Grapholita molesta</i>	(Busck)		x			
282	Lepidoptera	Tortricidae	<i>Homona magnanima</i>	Diakonoff		x			
283	Lepidoptera	Tortricidae	<i>Psycholoma lecheana</i>	(Linnaeus)		x			
284	Lepidoptera	Tortricidae	<i>Tetramoera schistaceana</i>	(Snellen)	x	x	x	x	x
285	Lepidoptera	Psychidae	<i>Bambalina</i> sp.			x			
286	Lepidoptera	Psychidae	<i>Chalioides kondonis</i>	Kondo		x			
287	Lepidoptera	Psychidae	<i>Eumeta japonica</i>	Heylaerts	x	x			
288	Lepidoptera	Psychidae	<i>Mahasena aurea</i>	(Butler)		x	x		
289	Lepidoptera	Lyonetiidae	<i>Bedellia ipomoella</i>	Kuroko		x			
290	Lepidoptera	Lyonetiidae	<i>Bedellia somnulentella</i>	(Zeller)		x			
291	Lepidoptera	Phyllocnistidae	<i>Phyllocnistis citrella</i>	Stainton	x	x	x	x	x
292	Lepidoptera	Lecithoceridae	<i>Scythropiodes leucostola</i>	(Meyrick)	?	?			
293	Lepidoptera	Yponomeutidae	<i>Leuroperna sera</i>	(Meyrick)		x		x	
294	Lepidoptera	Yponomeutidae	<i>Plutella xylostella</i>	(Linnaeus)	x	x	x	x	x
295	Lepidoptera	Crambidae	<i>Ancylolomia japonica</i>	Zeller		x		x	
296	Lepidoptera	Crambidae	<i>Chilo suppressalis</i>	(Walker)		x			
297	Lepidoptera	Crambidae	<i>Cnaphalocrocis exigua</i>	(Butler)		x		x	
298	Lepidoptera	Crambidae	<i>Cnaphalocrocis medinalis</i>	(Gueneé)		x			
299	Lepidoptera	Crambidae	<i>Conogethes punctiferalis</i>	(Gueneé)	x	x	x	x	
300	Lepidoptera	Crambidae	<i>Diaphania indica</i>	(Saunders)	x	x	x	x	x
301	Lepidoptera	Crambidae	<i>Evergestis forficalis</i>	(Linnaeus)	?	?	?	?	?
302	Lepidoptera	Crambidae	<i>Hellula undalis</i>	(Fabricius)		x			
303	Lepidoptera	Crambidae	<i>Spoladea recurvalis</i>	(Fabricius)		x	x		x
304	Lepidoptera	Crambidae	<i>Leucinodes orbonalis</i>	Gueneé					x
305	Lepidoptera	Crambidae	<i>Maruca vitrata</i>	(Fabricius)		x	x		
306	Lepidoptera	Crambidae	<i>Nacoleia charesalis</i>	(Walker)		x			
307	Lepidoptera	Crambidae	<i>Omphisa anastomosalis</i>	(Gueneé)	x	x	x	x	x

Appendix-vi. Continued.

Scientific name of pest arthropods					Distribution				
Serial	Order	Family	Species	Author	KK	AO	TK	OE	YR
308	Lepidoptera	Crambidae	<i>Ostrinia furnacalis</i>	(Gueneé)		x		x	
309	Lepidoptera	Crambidae	<i>Parapoinx fluctuosalis</i>	(Zeller)		x	x		
310	Lepidoptera	Crambidae	<i>Protonoceras capitale</i>	(Fabricius)		x			
311	Lepidoptera	Crambidae	<i>Pyrausta panopealis</i>	(Walker)	?	?	?	?	?
312	Lepidoptera	Crambidae	<i>Udea testacea</i>	(Butler)		x			
313	Lepidoptera	Pyalidae	<i>Dolossa viridis</i>	Zeller		x	x		
314	Lepidoptera	Pyalidae	<i>Etiella zinckenella</i>	(Treitschke)		x			
315	Lepidoptera	Pyalidae	<i>Scirpophaga excerptalis</i>	(Walker)		x			
316	Lepidoptera	Pyalidae	<i>Scirpophaga incertulas</i>	(Walker)		x			
317	Lepidoptera	Pterophoridae	<i>Ochyrotica concursa</i>	(Walsingham)		x	x		
318	Lepidoptera	Pterophoridae	<i>Sphenarches anisodactylus</i>	(Walker)			x		
319	Lepidoptera	Cossidae	<i>Zeuzera coffeae</i>	Nietner		x	x		
320	Lepidoptera	Hesperiidae	<i>Erionota torus</i>	Evans					x
321	Lepidoptera	Hesperiidae	<i>Pelopidas mathias oberthueri</i>	Evans	x	x	x	x	x
322	Lepidoptera	Hesperiidae	<i>Parnara guttata</i>	(Bremer & Grey)	x	x	x	x	x
323	Lepidoptera	Hesperiidae	<i>Parnara naso bada</i>	(Moore)	x	x	x	x	x
324	Lepidoptera	Papilionidae	<i>Papilio helenus nicconicolens</i>	Butler	x	x	x	x	x
325	Lepidoptera	Papilionidae	<i>Papilio memnon thunbergii</i>	von Siebold	x	x	x	x	x
326	Lepidoptera	Papilionidae	<i>Papilio polytes polytes</i>	Linnaeus	x	x	x	x	x
327	Lepidoptera	Papilionidae	<i>Papilio protenor demetrius</i>	Stoll	x	x	x	x	
328	Lepidoptera	Papilionidae	<i>Papilio xuthus</i>	Linnaeus	x	x	x	x	x
329	Lepidoptera	Pieridae	<i>Colias erate poliographus</i>	Motschulsky	x	x	x	x	x
330	Lepidoptera	Pieridae	<i>Pieris melete</i>	Ménétrières		x			
331	Lepidoptera	Pieridae	<i>Pieris rapae crucivora</i>	Boisduval	x	x	x	x	x
332	Lepidoptera	Lycanidae	<i>Lampides boeticus</i>	(Linnaeus)	x	x	x	x	x
333	Lepidoptera	Lycanidae	<i>Chilades pandava</i>	Horsfield	x	x	x	x	x
334	Lepidoptera	Nymphalidae	<i>Cynthia cardui</i>	(Linnaeus)	x	x	x	x	x
335	Lepidoptera	Satyridae	<i>Melanitis leda ismene</i>	(Cramer)	x	x	x	x	x
336	Lepidoptera	Satyridae	<i>Mycalesis madjcosa amamiana</i>	Fujioka		x	x	x	x
337	Lepidoptera	Geometridae	<i>Ascotis selenaria cretacea</i>	(Butler)	?	?	?	?	?
338	Lepidoptera	Geometridae	<i>Biston robustus</i>	Butler		x			
339	Lepidoptera	Geometridae	<i>Chloroclystis neoconversa</i>	Inoue		x	x		
340	Lepidoptera	Geometridae	<i>Cleora repulsaria</i>	(Walker)		x	x	x	
341	Lepidoptera	Geometridae	<i>Comibaena diluta</i>	(Warren)	x	x	x		
342	Lepidoptera	Geometridae	<i>Ectropis excellens</i>	(Butler)		x			
343	Lepidoptera	Geometridae	<i>Hyposidra talaca</i>	(Walker)		x			
344	Lepidoptera	Geometridae	<i>Menophra senilis</i>	(Butler)		x			
345	Lepidoptera	Geometridae	<i>Milionia zonea pryori</i>	Druce	x	x	x	x	x
346	Lepidoptera	Geometridae	<i>Odontopera arida</i>	(Butler)		x			
347	Lepidoptera	Geometridae	<i>Scopula epiorrhoe</i>	Prout		x	x	x	
348	Lepidoptera	Geometridae	<i>Thetidia albocostaria</i>	(Bremer)		x			
349	Lepidoptera	Geometridae	<i>Xanthorhoe saturata</i>	(Gueneé)	?	?	?	?	?
350	Lepidoptera	Lymantriidae	<i>Somena pulvereana</i>	(Leech)		x	x	x	
351	Lepidoptera	Lymantriidae	<i>Orvasca taiwana</i>	(Shiraki)		x		x	
352	Lepidoptera	Lymantriidae	<i>Lymantria dispar japonica</i>	(Motschulsky)	x	x			
353	Lepidoptera	Lymantriidae	<i>Orgyia postica</i>	(Walker)	x	x	x	x	x
354	Lepidoptera	Lymantriidae	<i>Orgyia thyellina</i>	Butler		x			
355	Lepidoptera	Saturniidae	<i>Caligula japonica arisana</i>	Shiraki		x			
356	Lepidoptera	Saturniidae	<i>Samia cynthia pryori</i>	(Butler)	x	x			
357	Lepidoptera	Lasiocampidae	<i>Kunugia undans iwasaakii</i>	(Nagano)	x				
358	Lepidoptera	Sphingidae	<i>Agrius convolvuli</i>	(Linnaeus)		x		x	x
359	Lepidoptera	Sphingidae	<i>Psilogramma incerta</i>	(Walker)		x	x		x
360	Lepidoptera	Sphingidae	<i>Theretra clotho</i>	(Drury)		x	x		
361	Lepidoptera	Sphingidae	<i>Theretra nessus</i>	(Drury)	x	x	x	x	
362	Lepidoptera	Sphingidae	<i>Theretra oldenlandiae</i>	(Fabricius)		x	x	x	x
363	Lepidoptera	Sphingidae	<i>Theretra silhetensis</i>	(Walker)		x		x	
364	Lepidoptera	Arctidae	<i>Nyctemera adversata</i>	(Schaller)		x	x	x	x
365	Lepidoptera	Arctidae	<i>Spilarctia seriata punctata nudum</i>	Inoue		x	x		
366	Lepidoptera	Arctidae	<i>Spilosoma lubricipeda</i>	(Linnaeus)				x	
367	Lepidoptera	Arctidae	<i>Thanaosia imparilis</i>	(Butler)		x			
368	Lepidoptera	Hypsiidae	<i>Asota egens confinis</i>	Rothschild		x	x	x	x
369	Lepidoptera	Hypsiidae	<i>Asota heliconia riukuana</i>	Rothschild		x	x		

Appendix-vii. Continued.

Scientific name of pest arthropods					Distribution				
Serial	Order	Family	Species	Author	KK	AO	TK	OE	YR
370	Lepidoptera	Hypsiidae	<i>Asota plana lacteata</i>	(Butler)		x	x	x	
371	Lepidoptera	Noctuidae	<i>Mythimna loreyi</i>	(Duponchel)		x			
372	Lepidoptera	Noctuidae	<i>Ctenoplusia agnata</i>	(Staudinger)		x			
373	Lepidoptera	Noctuidae	<i>Achaea serva</i>	(Fabricius)		x			
374	Lepidoptera	Noctuidae	<i>Eudocima tyrannus</i>	(Guenée)		x			
375	Lepidoptera	Noctuidae	<i>Aedia leucomelas</i>	(Linnaeus)		x		x	
376	Lepidoptera	Noctuidae	<i>Agrotis ipsilon</i>	(Hufnagel)		x	x		
377	Lepidoptera	Noctuidae	<i>Agrotis segetum</i>	(Denis & Schiffermüller)		x	x		
378	Lepidoptera	Noctuidae	<i>Amphipyra livida corvina</i>	Motschulsky		x			
379	Lepidoptera	Noctuidae	<i>Anadevidia peponis</i>	(Fabricius)		x			
380	Lepidoptera	Noctuidae	<i>Rusica privata</i>	(Walker)		x			
381	Lepidoptera	Noctuidae	<i>Gonitis mesogona</i>	(Walker)		x			
382	Lepidoptera	Noctuidae	<i>Rusica albitibia</i>	(Walker)		x			
383	Lepidoptera	Noctuidae	<i>Rusica fulvida</i>	(Guenée)		x			
384	Lepidoptera	Noctuidae	<i>Arcte coerula</i>	(Guenée)		x	x		
385	Lepidoptera	Noctuidae	<i>Artena dotata</i>	(Fabricius)		x			
386	Lepidoptera	Noctuidae	<i>Athetis albisignata</i>	(Oberthür)		x			
387	Lepidoptera	Noctuidae	<i>Autographa nigrisigna</i>	(Walker)		x			
388	Lepidoptera	Noctuidae	<i>Chalciope mydon</i>	(Cramer)		x			
389	Lepidoptera	Noctuidae	<i>Calloptistria duplicans</i>	Walker		x			
390	Lepidoptera	Noctuidae	<i>Calyptra minuticornis</i>	(Guenée)		x			
391	Lepidoptera	Noctuidae	<i>Calyptra thalictri</i>	(Borkhausen)		x			
392	Lepidoptera	Noctuidae	<i>Chrysodeixis eriosoma</i>	(Doubleday)		x			
393	Lepidoptera	Noctuidae	<i>Ctenoplusia albostrata</i>	(Bremer & Grey)		x			
394	Lepidoptera	Noctuidae	<i>Dypterygia caliginosa</i>	(Walker)		x			
395	Lepidoptera	Noctuidae	<i>Ercheia dubia</i>	(Butler)		x	x		
396	Lepidoptera	Noctuidae	<i>Erebis ephesperis</i>	(Hübner)	x	x	x	x	x
397	Lepidoptera	Noctuidae	<i>Eudocima salamina</i>	(Cramer)		x			
398	Lepidoptera	Noctuidae	<i>Helicoverpa armigera</i>	(Hübner)		x	x		
399	Lepidoptera	Noctuidae	<i>Helicoverpa assulta</i>	(Guenée)		x			
400	Lepidoptera	Noctuidae	<i>Hipoepa fractalis</i>	(Guenée)		x			x
401	Lepidoptera	Noctuidae	<i>Hypersynoides submarginata</i>	(Walker)		x			
402	Lepidoptera	Noctuidae	<i>Ischyia manlia</i>	(Cramer)		x		x	
403	Lepidoptera	Noctuidae	<i>Thyas juno</i>	(Dalman)		x			
404	Lepidoptera	Noctuidae	<i>Mythimna striata</i>	(Leech)		x			
405	Lepidoptera	Noctuidae	<i>Mamestra brassicae</i>	(Linnaeus)		x			
406	Lepidoptera	Noctuidae	<i>Naranga aenescens</i>	Moore		x			
407	Lepidoptera	Noctuidae	<i>Sesamia turpis</i>	(Butler)		x			
408	Lepidoptera	Noctuidae	<i>Ophisma gravata</i>	Guenée		x			
409	Lepidoptera	Noctuidae	<i>Ophiura tirhaca</i>	(Cramer)		x			
410	Lepidoptera	Noctuidae	<i>Ophiura trapezium</i>	(Guenée)		x			
411	Lepidoptera	Noctuidae	<i>Ophiura triphaenoides</i>	(Walker)		x	x		
412	Lepidoptera	Noctuidae	<i>Oraesia emarginata</i>	(Fabricius)		x			
413	Lepidoptera	Noctuidae	<i>Oraesia excavata</i>	(Butler)		x	x		
414	Lepidoptera	Noctuidae	<i>Orthogonia sugii</i>	Seino		x			
415	Lepidoptera	Noctuidae	<i>Eudocima phalonia</i>	(Linnaeus)		x			
416	Lepidoptera	Noctuidae	<i>Parallelia arctotaenia</i>	(Guenée)		x			
417	Lepidoptera	Noctuidae	<i>Bastilla arcuata</i>	(Moore)		x	x	x	
418	Lepidoptera	Noctuidae	<i>Bastilla joviana</i>	(Stoll)		x			
419	Lepidoptera	Noctuidae	<i>Bastilla maturata</i>	(Walker)		x			
420	Lepidoptera	Noctuidae	<i>Dysgonia stuposa</i>	(Fabricius)		x			
421	Lepidoptera	Noctuidae	<i>Pindara illibata</i>	(Fabricius)		x			
422	Lepidoptera	Noctuidae	<i>Phyllodes consobrinus</i>	Westwood		?			
423	Lepidoptera	Noctuidae	<i>Codica illecta</i>	(Walker)		x			x
424	Lepidoptera	Noctuidae	<i>Plusiodonta coelonota</i>	(Kollar)		x			x
425	Lepidoptera	Noctuidae	<i>Mythimna separata</i>	(Walker)		x			
426	Lepidoptera	Noctuidae	<i>Sesamia inferens</i>	(Walker)	x	x	x	x	x
427	Lepidoptera	Noctuidae	<i>Spodoptera depravata</i>	(Butler)	x	x			
428	Lepidoptera	Noctuidae	<i>Spodoptera exigua</i>	(Hübner)		x	x		
429	Lepidoptera	Noctuidae	<i>Spodoptera litura</i>	(Fabricius)	x	x	x	x	x
430	Lepidoptera	Noctuidae	<i>Spodoptera mauritia acronyctoides</i>	Guenée			x		
431	Lepidoptera	Noctuidae	<i>Spodoptera exempta</i>	(Walker)	x	x			

Appendix-viii. Continued.

Scientific name of pest arthropods					Distribution				
Serial	Order	Family	Species	Author	KK	AO	TK	OE	YR
432	Lepidoptera	Noctuidae	<i>Thysanoplusia intermixta</i>	(Warren)		x			
433	Lepidoptera	Noctuidae	<i>Xanthodes transversa</i>	Guenée		x	x	x	x
434	Lepidoptera	Noctuidae	<i>Xylena formosa</i>	(Butler)	?	?	?	?	?
435	Acarina	Tetranychidae	<i>Oligonychus biharensis</i>	(Hirst)	x		x		
436	Acarina	Tetranychidae	<i>Oligonychus coffeae</i>	(Nietner)	x	x	x		x
437	Acarina	Tetranychidae	<i>Oligonychus orthius</i>	Rimando		x			
438	Acarina	Tetranychidae	<i>Oligonychus shinkajii</i>	Ehara		x			
439	Acarina	Tetranychidae	<i>Panonychus citri</i>	(McGregor)	x	x	x		
440	Acarina	Tetranychidae	<i>Tetranychus kanzawai</i>	Kishida		x			
441	Acarina	Tetranychidae	<i>Tetranychus neocaledonicus</i>	Andre		x			
442	Acarina	Tetranychidae	<i>Tetranychus okinawanus</i>	Ehara		x			
443	Acarina	Tetranychidae	<i>Tetranychus urticae</i>	Koch		x			
444	Acarina	Tarsonemidae	<i>Polyphagotarsonemus latus</i>	(Banks)		x	x	x	
445	Acarina	Tarsonemidae	<i>Stenotarsonemus bancrofti</i>	Michael		x			
446	Acarina	Eriophyidae	<i>Aculops lycopersici</i>	(Massee)	x		x		
447	Acarina	Eriophyidae	<i>Cisaberoptus kenya</i>	Keifer					x
448	Acarina	Eriophyidae	<i>Paraphytoptus kikis</i>	Chinone		x	x		
449	Acarina	Eriophyidae	<i>Phyllocoptuta citri</i>	Soliman & Abou-Awad	x	x	x	x	x
450	Acarina	Acaridae	<i>Rhizoglyphus robini</i>	Claparede			x	x	



Lake Namakoike, Kami-Koshikijima Island. Photo: Ryuta TERADA