

## アシナガキアリ, ツヤオオズアリに関する被害知見について

(Holway, D. A. et al., 2002. The causes and consequences of ant invasions. *Annu. Rev. Ecol. Syst.*, 33: 181-233. ㊟)

アシナガキアリ *Anoplolepis gracilipes*

英名: crazy ant

Reported effects of *Anoplolepis gracilipes* on non-ant taxa

## Bird

Stooty tern (*Sterna fuscata*)      Seychelles      Failure to nest in invaded areas      Feare 1999

White tern (*Gygis alba*)      Seychelles      Death of chicks      Feare 1999

## Leptiles

Skink (*Mabuya seychellensis*)      Seychelles      Desappearance of skinks in invaded areas  
Feare 1999

## Mammals

Christmas island shrew (*Crocidura attenuata*)      Indian Ocean      Shrew disappeared from island  
Meek 2000

## Invertebrates

Land crab (*Cardisoma* sp.)      Seychelles      Dead crabs in invaded areas      Feare 1999

Insects, especially large beetles      Seychelles      Ants seen killing insects      Feare 1999

Invertebrates      Seychelles      Responsible for decline      Haines & Haines 1978

Araneae (Tetragnatha)      Hawaii, USA      Spiders absent from invaded areas  
Reimer 1993

## Invertebrates (Herbivores in agricultural systems)

Cacao weevil (*Pantorhytes szentivanyi*)      Papua New Guinea      Harasses adults, causes dispersion  
Baker 1972, Room & Smith 1975

Mirid bugs (2 spp.)      Papua New Guinea      Disturbance of feeding and egg laying  
Entwistle 1972

Araucaria looper (*Milliomia isodoxa*)      Papua New Guinea      Late instar larvae attacked      Wylie 1974

Beetle pests (3 spp.)      Seychelles      Thought to attack and control pests  
Lewis et al. 1976

Coconut bug ( <i>Amblypelta cocophaga</i> )	Solomon Islands	Observations of nutfall changes	
			Greenslade 1971
Scale ( <i>Coccus viridis</i> )	Indonesia	Reduced parasitism, increased growth	
			Van Der Goot 1916
<i>Ceroplastes rubens</i> , <i>Coccus viridis</i>	Seychelles	5-160 times more abundant when ants present	Haines &
Haines 1897			

ツヤオオズアリ *Pheidole megacephala*

英名: big-headed ant

Reported effects of *Pheidole megacephala* on non-ant taxa

Invertebrates

Invertebrates	N. Territory, Australia	42-85% decrease in abundance	Hoffman et al. 1999
Araneae (Tetragnatha)	Hawaii, USA	Spiders absent from invaded areas	Gillespie & Reimer 1993

Invertebrates (Herbivores in agricultural systems)

<i>Liothrips urichi</i>	Hawaii, USA	Higher predation in ants exposed areas	Reimer 1988
Scale ( <i>Coccus viridis</i> )	Hawaii, USA	Removes predators, increases reproduction	Bach 1991
Mealybug ( <i>Dysmicoccus neobrevipes</i> )	Hawaii, USA	Infestation increases with ant abundance	Beardsley et al. 1982
Mealybug ( <i>Dysmicoccus brevipes</i> )	Hawaii, USA	Interferes with natural enemy behavior	Gonzalez-Hernandez et al. 1999
Scale ( <i>Coccus viridis</i> )	Hawaii, USA	Interferes with or preys on natural enemies	Reimer et al. 1993
Soft scale, mealybug	S. Africa	Associated with outbreaks	Samways et al. 1982
Cassava mealybug ( <i>Phenacoccus manihoti</i> )	Ghana	Creates tent shelter, deters natural enemies	Cudjoe et al. 1993
Mealybugs ( <i>Planococcus njalensis</i> , <i>P. citri</i> )	Ghana	2-4 times more abundant when ants tending	Campbell 1994

別紙 参考資料

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<http://www.issg.org/database/species/ecology.asp?si=110&fr=1&sts=sss>

<http://www.issg.org/database/species/distribution.asp?si=110&fr=1&sts=sss>

[http://www.issg.org/database/species/management\\_info.asp?si=110&fr=1&sts=sss](http://www.issg.org/database/species/management_info.asp?si=110&fr=1&sts=sss)

<http://www.issg.org/database/species/references.asp?si=110&fr=1&sts=sss>

<http://www.issg.org/database/species/contacts.asp?si=110&fr=1&sts=sss>

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<http://www.issg.org/database/species/ecology.asp?si=132&fr=1&sts=sss>

<http://www.issg.org/database/species/distribution.asp?si=132&fr=1&sts=sss>

[http://www.issg.org/database/species/management\\_info.asp?si=132&fr=1&sts=sss](http://www.issg.org/database/species/management_info.asp?si=132&fr=1&sts=sss)

[http://www.issg.org/database/species/management\\_info.asp?si=132&fr=1&sts=sss](http://www.issg.org/database/species/management_info.asp?si=132&fr=1&sts=sss)

<http://www.issg.org/database/species/contacts.asp?si=132&fr=1&sts=sss>