

SCALE INSECTS

[home](#)
[about](#)
[fact sheets](#)
[keys](#)
[gallery](#)

Planococcus kraunhiae (Kuwana)

Family

Pseudococcidae

Common name

Japanese mealybug

Field characters

Body oval or rotund; slightly rounded in **lateral view**; dark purple or red; mealy wax covering body, not thick enough to hide purple body color; dorsomedial bare area either absent or inobvious; **ovisac** not described in literature; 18 **lateral** wax filaments, most relatively short, straight, **posterior** pair slightly longer, filaments **anterior** of **posterior** pair small, broader than on *P. citri*, **posterior** pair about 1/8 length of body. Primarily occurring on foliage or fruit of host. Surface of **lateral** filaments rough.

Validation characters

Dorsal oral-collar **tubular ducts** in **submarginal** areas of **abdomen**, usually with more than 1 associated with each abdominal **cerarius**; **translucent pores** on hind **coxa** and **tibia**, absent from **femur**; usually with 1 or more dorsolateral **tubular ducts** that often appear as **oral rims**; usually without **multilocular pores posterior** of front **coxa**; **anal bar** present; 18 pairs of **cerarii**; no **auxiliary setae**.

Comparison

Planococcus kraunhiae can be distinguished from other species in the genus by having dorsosubmarginal oral-collar **tubular ducts** in clusters near at least some abdominal **cerarii**.

U.S. quarantine notes

This species was intercepted 131 times at U. S. ports-of-entry between 1995 and 2012, with specimens originating from Brazil, China, France, India, Japan, Singapore, South Korea, Togo, and Vietnam. It is most often taken in quarantine on *Citrus* and *Diospyros* from Japan. We also have examined quarantine specimens from China (*Diospyros*); Eritrea (*Oleae*); Jamiaca (croton); Japan (oranges, *Platanus*, *Punica*, *Wisteria*); Korea (*Diospyros*); The Philippines (*Diospyros*); Singapore (*Eriobotrya*). ScaleNet lists the species from more than 20 families of host plants, and distribution records include the Nearctic, Oriental and Palaearctic zoogeographic regions. Several species of *Planococcus* other than *P. citri* (Risso), *P. ficus* (Signoret), *P. halli* Ezzat & McConnell, *P. kraunhiae*, *P. lilacinus* (Cockerell), *P. litchi* Cox and *P. minor* (Maskell) have been taken at U. S. ports-of-entry including: *P. angkorensis* (Takahashi) (China, India, Indonesia, Japan, Malaysia, The Philippines, Taiwan, Thailand, and Vietnam, on many tropical plants); *P. dendrobi* Ezzat and McConnell (India, The Philippines, Singapore, and Thailand, on *Cypripedium*, *Dendrobium*, *Phalaenopsis*, *Saccolobium* and *Vanda*); *P. hosnyi* Ezzat and McConnell (South Africa, on orchid); *P. hospitus* De Lotto (Uganda, on *Cyrtorchis*); *P. japonicus* Cox (Japan and The Philippines, on *Carpinus*, *Fatsia*, *Lansium*, *Malus*, *Rhododendron* and *Vitis*); *P. kenyae* (LePelley) (Nigeria, Sierra Leone, on *Ficus* and *Cola*); *P. mali* Ezzat and McConnell (New Zealand, on *Malus* and *Olearia*); *P. orchidi* Cox (Liberia, on orchids); and *P. philippinensis* Ezzat and McConnell (The Philippines, on *Aerides*, *Cymbidium*, *Dendrobium*, *Eria*, *Phalaenopsis*, *Spathoglottis* and *Vanda*).

Important references

Cox1989; Kawai1980; Willia2004.



Planococcus kraunhiae



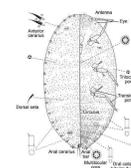
Planococcus kraunhiae

Photo by Shôzô Kawai



Planococcus kraunhiae

Photo by R. J. Gill



Planococcus kraunhiae
Illustration by Jennifer Cox

Scalenet catalog and citation list

Click here for a [Catalog](#).

Authors: D. Miller, A. Rung, G. Parikh, G. Venable, A.J. Redford, G.A. Evans, and R.J. Gill
Edition 2 - Content last updated April 2014
tool images at [ITP Node](#)
[idtools.org](#)

ScaleNet
Armored scales key

