

Citrus Pest Quick Guide: Citrus Rust Mite and Pink Citrus Rust Mite

(*Phyllocoptruta oleivora* Ashmead)
(*Aculops pelekassi* Keifer)¹

The purpose of this fact sheet is to aid in the identification of a common insect pest in citrus and its damage. This publication is targeted for a general public audience.

Life Cycle

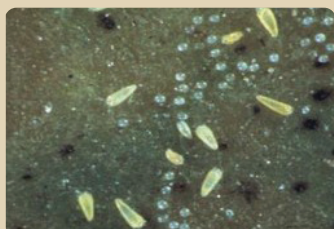
Citrus rust mite (CRM) and pink citrus rust mite (PCRM) are very similar but do have subtle differences that separate the two species.

Damage

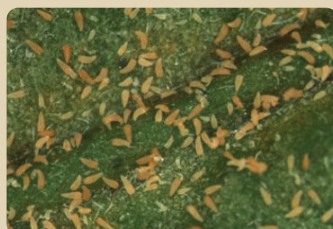
Both mites feed on green stems, leaves, and fruit. Damage from high populations of CRM can lead to fruit drop. PCRM can also cause damage to leaves.

Rust mites prefer hot, dry conditions and are generally found feeding on the fruit and foliage on the outer margins of the tree. Populations have been noted to be higher in the north bottom of trees as compared to the south upper portion of trees.

The main concern with CRM and PCRM is damage to fruit intended for fresh market, as blemishes render the fruit unable to be sold. However, when damage is severe, it can also reduce juice quality.



Citrus rust mite adults and eggs.
Credit: C. C. Childers, UF/IFAS



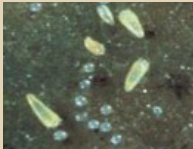

Pink citrus rust mite adults.
Credit: M. E. Rogers, UF/IFAS



Citrus rust mite damage. Inset: Bronzing damage caused by citrus rust mite.
Credit: M. E. Rogers, UF/IFAS;
J. D. Burrow, UF/IFAS



Pink citrus rust mite damage.
Credit: C. C. Childers, UF/IFAS

	Citrus Rust Mite (Crm)	Pink Citrus Rust Mite (Pcrm)
		
Eggs	Spherical and clear, found along leaf midribs or clustered in fruit depressions	Flat and opaque, found scattered along the leaf or fruit surface
Nymphs (Larvae)	Resemble adults, change from clear to yellow as they age	Resemble adults; change from clear to pink as they age
Adults	Straw-colored to yellow with an elongated, wedge-shaped body	Pink, narrower, more rounded, and smaller than the CRM
Lifespan	14 to 20 days	14 to 20 days
Peak Activity	Populations build in early summer	Early spring; feed on leaves and flowers before moving to fruit

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