

This short description was prepared in the framework of the EU FP7 project DROPSA - Strategies to develop effective, innovative and practical approaches to protect major European fruit crops from pests and pathogens (grant agreement no. 613678). This pest was listed in the DROPSA alert list for orange and mandarin fruit.

Egira curialis (Lepidoptera: Noctuidae)

Location of life stages on plant parts: eggs on leaves; larvae on leaves, flowers, fruit (UC IPM, 2013, Grafton-Cardwell et al., 2001). Although UC IPM (2013) mentions that maturing fruit is rarely attacked, Grafton-Cardwell et al. (2001) states that larvae also bore into mature fruits. Larvae drop to the ground if disturbed. No information was found on the location of pupae.

Fruit pathway: Yes.

Other pathways: Plants for planting, cut branches.

Hosts: Polyphagous, hosts incl. *Citrus* (UC IPM, 2013) and a wide range of deciduous trees such as *Quercus*, *Prunus*, *Purshia tridentata*, *Celtis reticulata* (PNW Moths, no date).

Distribution: North America: USA, Canada (PNW Moths, no date – British Columbia to California, East to Colorado and New Mexico).

Damage: on Citrus, *E. curialis* may cause economic damage by feeding on fruit. Damage can be substantial as it feeds on young fruit, and as larvae move around while feeding, attacking numerous leaves, blossoms and fruit (UC IPM, 2013). *E. curialis* has been an important economic pest of citrus in the San Joaquin Valley of California since the 1930s (Grafton-Cardwell et al., 2001). Natural enemies and current control measures are reported to reduce populations to an acceptable level (UC IPM, 2013).

Other information: Natural enemies and current control measures reduce populations (UC IPM, 2013).

Recorded impact: Moderate	Intercepted: Not known	Spreading/invasive: Not known
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References:

- Grafton-Cardwell EE, Montez GH, McClain JE. 2001. Lower Developmental Threshold and Degree-Day Prediction of Larval Emergence of Citrus Cutworm, *Egira curialis* (Grote) (Lepidoptera: Noctuidae). *J. Agric. Urban Entomol.* Vol. 18, No.2
- PNW Moths. no date. *Egira curialis*. Pacific Northwest Moths
<http://pnwmoths.biol.wvu.edu/browse/familynoctuidae/subfamilynoctuinae/tribeorthosiini/egira/egiracurialis/>
- UC IPM. 2013. Citrus Cutworm - *Egira* (*Xylomyges*) *curialis*. Citrus - How to Manage Pests. UC Pest Management Guidelines. University of California Agriculture and Natural Resources.
<http://www.ipm.ucdavis.edu/PMG/r107302011.html>