

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.

**Erthesina fullo (Hemiptera: Pentatomidae)**

**Location of life stages on plant parts:** Feed on stems, leaves or fruits (MPI, 2014).

**Fruit pathway:** Yes. However, it is also known as a hitchhiker, and may infest fruit consignments in this manner.

**Other pathways:** known hitchhiker (in containers, or amongst general cargo and used machinery and vehicles) (MPI, 2014). Timber, leaves (Padil, no date).

**Hosts:** According to MPI (2014), there is limited information on the host range of *E. fullo*, but it is known to feed on various plants. Hosts include *Citrus* (Li et al., 1997), *Mangifera indica*, *Diospyros kaki*, *Cinnamomum camphora*, *Hibiscus rosa-sinensis*, *Eucalyptus*, *Psidium guajava*, *Averrhoa carambola*, *Zea mays*, *Punica granatum*, *Ziziphus jujube*, *Prunus armeniaca*, *Prunus persica*, *Prunus pseudocerasus*, *Prunus salicina*, *Pyrus bretschneideri*, *Pyrus calleryana*, *Salix*, *Ailanthus altissima* (Rider, 2015). *Tectona grandis*, *Melia azeradach*, *Populus* (CABI CPC).

**Distribution:** Asia: China, Japan, Myanmar, Sri Lanka, India, Pakistan, Bangladesh (Ahmad et al., 2004), Taiwan, Vietnam (Padil, no date).

**Damage:** In Southern China on Citrus, *E. fullo* is widespread and important (Li et al., 1997). On jujube, fruit loss is caused by fruit drop (Song and Wang, 1993). It is recorded as a major pest of pine trees and hardwood trees in Taiwan, of pear in China, and of *Cinnamomum cassia* in Vietnam (Padil, no date). It has an impact on timber trees and horticultural crops (MPI, 2014).

**Other information:** Intercepted in consignments in New Zealand, and one individual found in 2014; considered absent (MPI, 2014).

<b>Recorded impact:</b> Moderate (uncertain)	<b>Intercepted:</b> Yes	<b>Spreading/invasive:</b> Not known
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**References:**

- Ahmad I, Memon N, Kamaludin S. 2004. A Revision of Hayline Stink Bug Genus *Erthesina* Spinola (Hemiptera: Pentatomidae: Pentatominae) and Their Cladistics. *Pakistan J. Zool.*, vol. 36(4), pp. 285-293, 2004.
- CABI CPC. Crop Protection Compendium. CAB International, UK. <http://www.cabi.org/cpc>
- Li L, Wang R, Waterhouse DF. 1997. The Distribution and Importance of Arthropod Pests and Weeds of Agriculture and Forestry Plantations in Southern China. ACIAR, Canberra, Australia.
- MPI. 2014. Yellow spotted stink bug - *Erthesina fullo*. Data sheet. Ministry for primary industries, New Zealand. <http://www.biosecurity.govt.nz/pests/yellowspottedstinkbug>
- PaDIL. no date. Yellowspotted stink bug - *Erthesina fullo* (Thunberg) (Hemiptera: Pentatomidae). <http://www.padil.gov.au/pestsanddiseases/pest/commodity%20typepestsanddiseases/136074>
- Rider DA. 2015. Plant Host Records. Pentatomidae: Pentatominae. North Dakota State University. [https://www.ndsu.edu/pubweb/~rider/Pentatomoidea/Hosts/plant\\_Pent\\_Pentatominae.htm](https://www.ndsu.edu/pubweb/~rider/Pentatomoidea/Hosts/plant_Pent_Pentatominae.htm)
- Song HW, Wang CM. 1993. Damage by *Halyomorpha halys* (Stal) and *Erthesina fullo* (Thunberg) to jujube trees and their control. *Entomological Knowledge* 1993 30 4 225-228