

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 *Vaccinium* fruit.

**Tolyte innocens (Lepidoptera: Lasiocampidae)**

**Fruit pathway:** possibly larvae; in the publications available, there is no information regarding association with *Vaccinium* fruit. However, the pest is present at the time of fruiting (Muller et al., 2009), and it is a new pest of *Vaccinium*. Information is lacking on whether it could become associated with fruit.

**Other pathways:** Larvae feed on leaves (Louzada et al., 2011; Diez Rodriguez et al., 2012).

**Hosts:** *Vaccinium ashei* (Louzada et al., 2011). This was the first record of a *Tolyte* on a crop. Other host are not mentioned, but larvae of *Tolyte* spp. are characteristically polyphagous, feeding on leaves and sprouts of forest plants (Louzada et al., 2011).

**Distribution:** South America: Brazil, Argentina, Paraguay, Uruguay (Diez Rodriguez et al., 2012; Louzada et al., 2011).

**Damage:** Damage to fruit was not observed, but defoliation up to 10% (Louzada et al., 2011). *T. innocens* has urticating caterpillars, which was of concern as those were present in the crop at the time of harvest (Muller et al., 2009).

**Other information:** This pest was detected recently in *Vaccinium*, which is also the first record on a crop. Although damage reported so far seems minor, it is not excluded that it evolves. This pest may present a risk.

<b>Recorded impact:</b> Minor	<b>Intercepted:</b> Not known	<b>Spreading/invasive:</b> Not known
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**References:**

- Diez-Rodríguez GI, Hübner LK, Bisognin M, Antunes LEC, Nava DE. 2012. Levantamento de Insetos em Pomares de Mirtilheiro (*Vaccinium ashei*) na Região de Pelotas, RS. In: Congresso brasileiro de entomologia, 24., 2012, Curitiba. SEB - 40 anos de avanços da Ciência Entomológica Brasileira. Curitiba: SEB, 2012.
- Louzada RS, Müller FA, Gonçalves RS, Nava DE. Occurrence and biology of *Tolyte innocens* (Burmeister) on blueberry. Rev. Bras. Frutic., Jaboticabal - SP, v. 33, n. 1, p. 061-065, Março 2011
- Muller FA, Louzada RS, Gonçalves RS, Nava DE. No date. Biologia e tabela de vida de fertilidade de *Tolyte innocens* (Burmeister, 1878) (Lepidoptera: Lasiocampidae) em mirtilheiro (*Vaccinium ashei*) (Ericaceae) Conference abstract. XIII CIC, XI Enpos i mostra científica.