

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.

Plagiognathus repetitus (Hemiptera: Miridae)

Fruit pathway: possibly nymphs or adults, if present in the crop at the time of harvest. This is not known. Little is known of the biology of the pest (Rodriguez-Saona, 2014).

Other pathways: plants for planting; nymphs and adults attack young leaves and flower buds (Rodriguez-Saona, 2014).

Hosts: *Vaccinium macrocarpon*, Ericaceae (incl. *Kalmia angustifolia*, *Vaccinium*) (Rodriguez-Saona, 2014), *Ledum*, possibly *Rhododendron* (Schuh, 2001).

Distribution: North America: Canada (Nova Scotia, Ontario, Quebec; Schuh 2002-2013), USA (Massachusetts, Michigan, New York, New Jersey, Pennsylvania, south to Virginia; Rodriguez-Saona, 2014; Schuh 2002-2013).

Damage: *P. repetitus* may be an emerging pest on cranberry. It was observed causing damage in New Jersey for the first time in 2014, causing serious damage and yield reduction in that year (Rodriguez-Saona, 2014). No other information on impact was found.

Other information: The biology of this pest is reviewed in Wheeler (1996) [cited in Schuh (2001) but not available to the assessor]. This pest was found on cranberry recently, and may present a risk.

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

- Rodriguez-Saona C. 2014. Bug Damaging Cranberries Identified: *Plagiognathus repetitus*. Plant & pest advisory. October 2, 2014. Rutgers Cooperative Extension. Rutgers, the State University of New Jersey, USA.
<http://plantpestadvisory.rutgers.edu/bugdamagingcranberrieshasbeenidentified/>
- Schuh RT. 2001. Revision of New World *Plagiognathus* Fieber, with comments on the Palearctic fauna and the description of a new genus (Heteroptera: Miridae: Phylinae). Bulletin of the American Museum of Natural History. Number 266, 267 pp., 40 figures, 1 table, Issued November 8, 2001
- Schuh RT. 2002-2013. On-line Systematic Catalog of Plant Bugs (Insecta: Heteroptera: Miridae).
<http://research.amnh.org/pbi/catalog/>