

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.

Xylena nupera (Lepidoptera: Noctuidae)

Fruit pathway: larvae feed on berries (Martinson and Kummer, no date).

Other pathways: plants for planting, soil; larvae also feed on buds, leaves, flowers and new growth; eggs are on leaves; pupae are in the soil (AgricultureCanada, 2007; Averill and Sylvania, 1998; Martinson and Krummer, nd; AgriReseauQuebec, 2015).

Hosts: Polyphagous, incl. *Vaccinium macrocarpon* (AgricultureCanada, 2007; AgriReseauQuebec, 2015; Averill and Sylvania, 1998), Rosaceae and many deciduous plants, herbaceous plants and grasses (PNW Moths, 2015).

Distribution: North America: Canada, USA (PNW Moths, 2015, AgriReseauQuebec, 2015; Dixon and Hillier, 2003).

Damage: On cranberry, the most important damage is to buds (Averill and Sylvania, 1998). *X. nupera* is a main pest of cranberry in Québec (AgriReseauQuebec, 2015), and not considered a pest in the Pacific Northwest (PNW Moths, 2015). Possible damage on other hosts was not considered here.

Recorded impact: Moderate (uncertain)	Intercepted: Not known	Spreading/invasive: Not known
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References:

- AgricultureCanada. 2007. Crop profile for cranberry in Canada. <http://www.agr.gc.ca/pmc-cropprofiles>
- AgriReseauQuebec. 2015. Publication on cranberry, annexe 5: Identification des insectes ravageurs de la canneberge présents au Québec (Source: Insectes ravageurs de la canneberge au Québec. Guide d'identification. CETAQ 2000).
- Averill AL, Sylvania MM. 1998. Cranberry Insects of the Northeast: A Guide to Identification, Biology, and Management. UMass Extension. 112 pp.
- Dixon PG, Hillier NK. 2003. Insect pests of wild cranberry, *Vaccinium macrocarpon*, in Newfoundland and Labrador. Phytoprotection 83: 139-145
- Martinson N, Kummer L. no date. Wisconsin cranberry insect pests identification pocket guide. Ocean Spray Cranberries Inc., Wisconsin. Available at <https://uwmadison.box.com/shared/static/f219xqml15ubn9gup634.pdf> (accessed August 2015).
- PNW Moths. 2015. Internet database on moths of the Pacific Northwest <http://pnwmoths.biol.wvu.edu> (accessed August 2015)