

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 apple fruit.

Pandemis pyrusana (Lepidoptera: Tortricidae)

Fruit pathway: larvae feed on fruit (Dunley *et al.* 2006), eggs laid on fruit (Gilligan and Epstein 2014)

Other pathways: plants for planting; cut flowers, cut branches; eggs also laid on leaves, larvae also feed on foliage and overwinter on the bark, pupae in leaves (Gilligan and Epstein 2014)

Hosts: polyphagous, hosts include *Malus*, *Pyrus*, *Ribes*, *Prunus*, *Alnus*, *Rosa*, *Salix* (TortAI)

Distribution: North America: Canada, USA (Gilligan and Epstein 2014)

Damage: important pest in apples in Western USA (Dunley *et al.* 2006, Pfannenstiel *et al.* 2004), moderately important pest of apple, pear, cranberries in the Western US states and British Columbia (Cranshaw 2015)

Other information: *P. limitata* is a similar species in the distribution area of *P. pyrusana*, but its larvae feed only occasionally on fruit. Therefore *P. limitata* was not included in this List.

Impact: Moderate	Intercepted: Not known	Spreading/invasive: Not known
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References:

- Cranshaw W 2015. Garden insects of North America: the ultimate guide to backyard bugs. Princeton University Press.
- Dunley JE, Brunner JF, Doerr MD, Beers EH 2006. Resistance and cross-resistance in populations of the leafrollers, *Choristoneura rosaceana* and *Pandemis pyrusana*, in Washington apples. *Journal of Insect Science* 6(1), article 14, 7 p.
- Pfannenstiel RS, Szymanski M, Lacey LA, Brunner JF, Spence K 2004. Discovery of a granulovirus of *Pandemis pyrusana* (Lepidoptera: Tortricidae), a leafroller pest of apples in Washington. *Journal of Invertebrate Pathology* 86(3): 124-127.
- Gilligan, Epstein 2014. TortAI. Internet database on tortricids of agricultural importance by TM Gilligan and ME Epstein. URL: http://idtools.org/id/leps/tortai/Pandemis_pyrusana.htm (accessed 2015 August 28)