

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.

Platynota idaeusalis (Lepidoptera: Tortricidae)

Fruit pathway: larvae feed on fruit (Gilligan and Epstein 2014)

Other pathways: plants for planting; cut flowers, cut branches; eggs are laid on leaves, larvae also feed on leaves (Gilligan and Epstein 2014)

Hosts: polyphagous, hosts include *Malus*, *Prunus*, *Pyrus* (CABI CPC), *Vaccinium*, *Vitis*, *Solanum*, *Clematis*, *Salix*, *Rubus*, *Betula*, *Pinus* (Gilligan and Epstein 2014)

Distribution: North America: Canada, USA (EPPO GD)

Damage: belongs to the most important leafroller pests in US apple production (Carde and Minks 1995), reduces quality of apples by direct feeding on the fruit (Meissner *et al.* 2001). Damaged fruits (highest damage level in Pennsylvania 6%) may not be marketable fresh, but suitable for processing. The main impact of this species is in apple crops, other hosts seems to be of importance mainly for overwintering (FERA 2014).

Other information: Was present on the EPPO Alert list from 1998 to 2002, but deleted as the alert has been given and no further concern raised. FERA 2014 concluded that “continued exclusion would seem the best option for the UK”.

Impact: Moderate (in the past)	Intercepted: Not known	Spreading/invasive: Not known
---------------------------------------	-------------------------------	--------------------------------------

References:

- CABI CPC. Crop Protection Compendium. CAB International, UK. URL: <http://www.cabi.org/cpc>
- Carde RT, Minks AK 1995. Control of moth pests by mating disruption: successes and constraints. Annual review of entomology 40(1): 559-585.
- EPPO GD. EPPO Global Database, European and Mediterranean Plant Protection Organization, France. URL: <https://gd.eppo.int>
- FERA 2014. Rapid Pest Risk Analysis (PRA) for *Platynota flavedana*, *Platynota idaeusalis*, *Platynota rostrana*. The Food & Environment Research Agency, 22pp.
- Meissner HE, Walgenbach JF, Kennedy GG 2001. Effects of mating disruption and conventional pesticide treatments on populations of the tufted apple bud moth, *Platynota idaeusalis*, in North Carolina apple orchards. Crop Protection 20(5): 373-378.
- Gilligan, Epstein 2014. Internet database on tortricids of agricultural importance by TM Gilligan and ME Epstein. URL: http://idtools.org/id/leps/tortai/Platynota_idaeusalis.htm (accessed 2015 September 02)