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## Flight pattern of *Archips podana* (Lep.: Tortricidae) based on data from pheromone traps

Stará J., Kocourek F. :

Plant Protect. Sci., 40 (2004): 75-81

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In 9 years of the period 1993–1999 and 2001–2003 the flight activity of *Archips podana* was investigated by pheromone traps placed in four apple orchards in Central and East Bohemia. The cumulative catches of *A. podana* males were plotted against time of the catch expressed in sum of degree-days (DD) above 10°C and approximated by Richards' function. Common parameters of Richards' function could be found for the overwintering generation of *A. podana* from all localities. The beginning, peak and end of flight activity of the overwintering generation of the *A. podana* population in Central and East Bohemia can be predicted by use of DD. *Archips podana* is usually bivoltine in the Czech Republic, rarely univoltine in cold years or cold localities. Construct the flight pattern of the summer generation could of *A. podana* not be constructed, because the course of flight of this generation in dependence on DD differed significantly in particular years and localities.

### Keywords:

*Archips podana*; fruit tree tortrix moth; apple orchards; flight activity; monitoring; pheromone traps; flight pattern; degree-days

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