

# Catching apple and pear sawfly on white sticky roller tape

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## Introduction

Adult sawflies are attracted to the white colour of the flowers. White sticky traps have been used for many years to monitor the flight. Application of white sticky roller tapes (CatchIT, Andermatt NL) can be used to decrease the population. The white colour of the sticky tapes attract the sawflies. Here we present the results of experiments in the Netherlands, Denmark, Belgium and Switzerland. The trials were situated in organic orchards with varying apple or pear varieties.

## Material and methods

The sticky tapes were installed between the horizontal wires of the trellis system of the trees well before the start of flowering, in pear in an earlier stage than in apple. The tapes were removed after flowering. The length of the tapes and the tape density varied. The effect in the trials was assessed by counting the number of infected fruits by apple sawfly or pear sawfly in the plots. Additionally, sawfly catches on the tapes were recorded.



## Results

- Sticky tapes significantly (\*) reduced the damage of both sawflies.
  - In apple sawfly the efficacy was at least 65% till at most 91%.
  - In pear sawfly the efficacy was at least 74% till at most 100%.
- The tape density did not significantly influence the amount of caught sawflies.
- The amount of caught sawflies can be up to 5000-6000 sawflies per hectare.

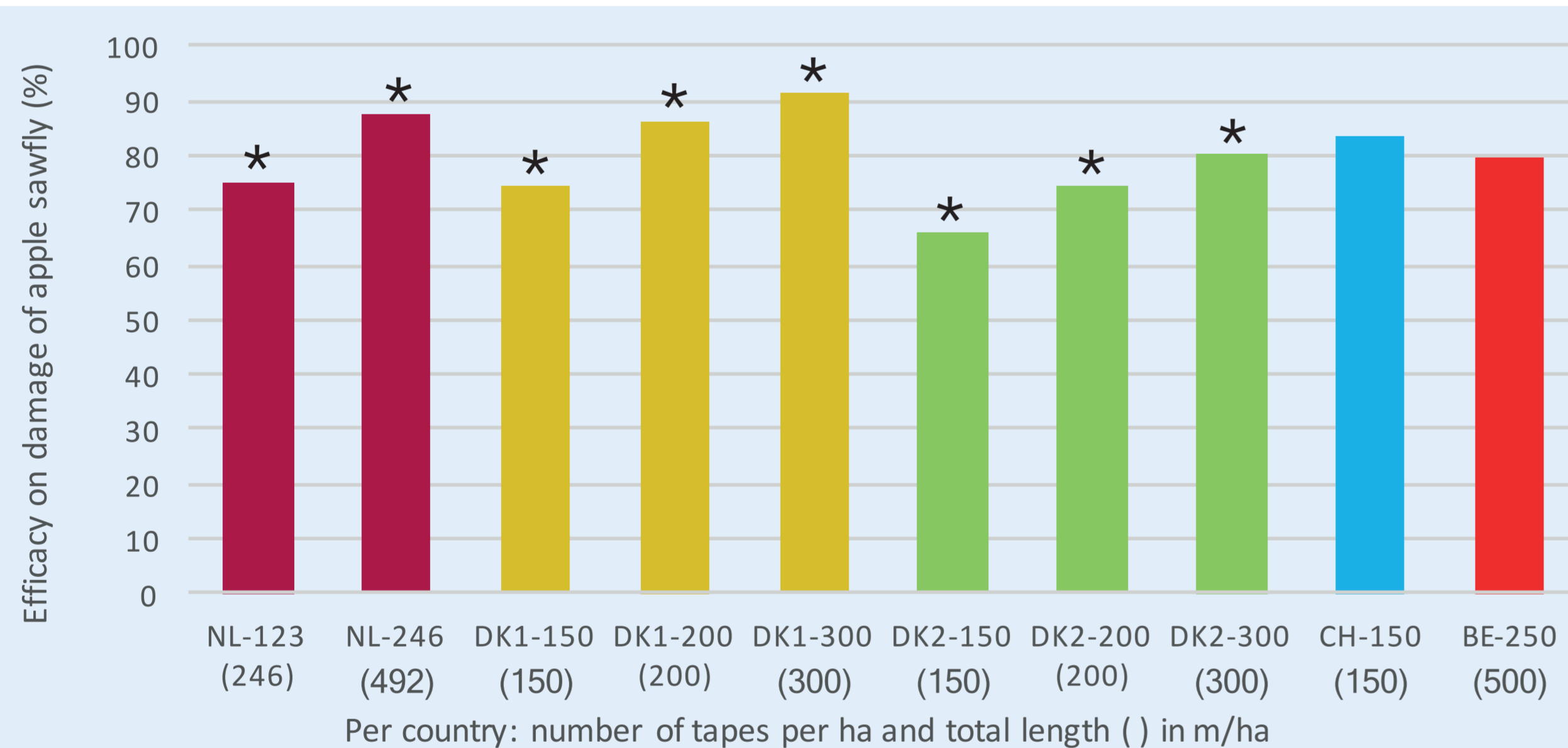


Figure 1 Efficacy of sticky tapes on the damage of apple sawfly (%) in different countries and with varying tape density (\* statistically different from UTC).

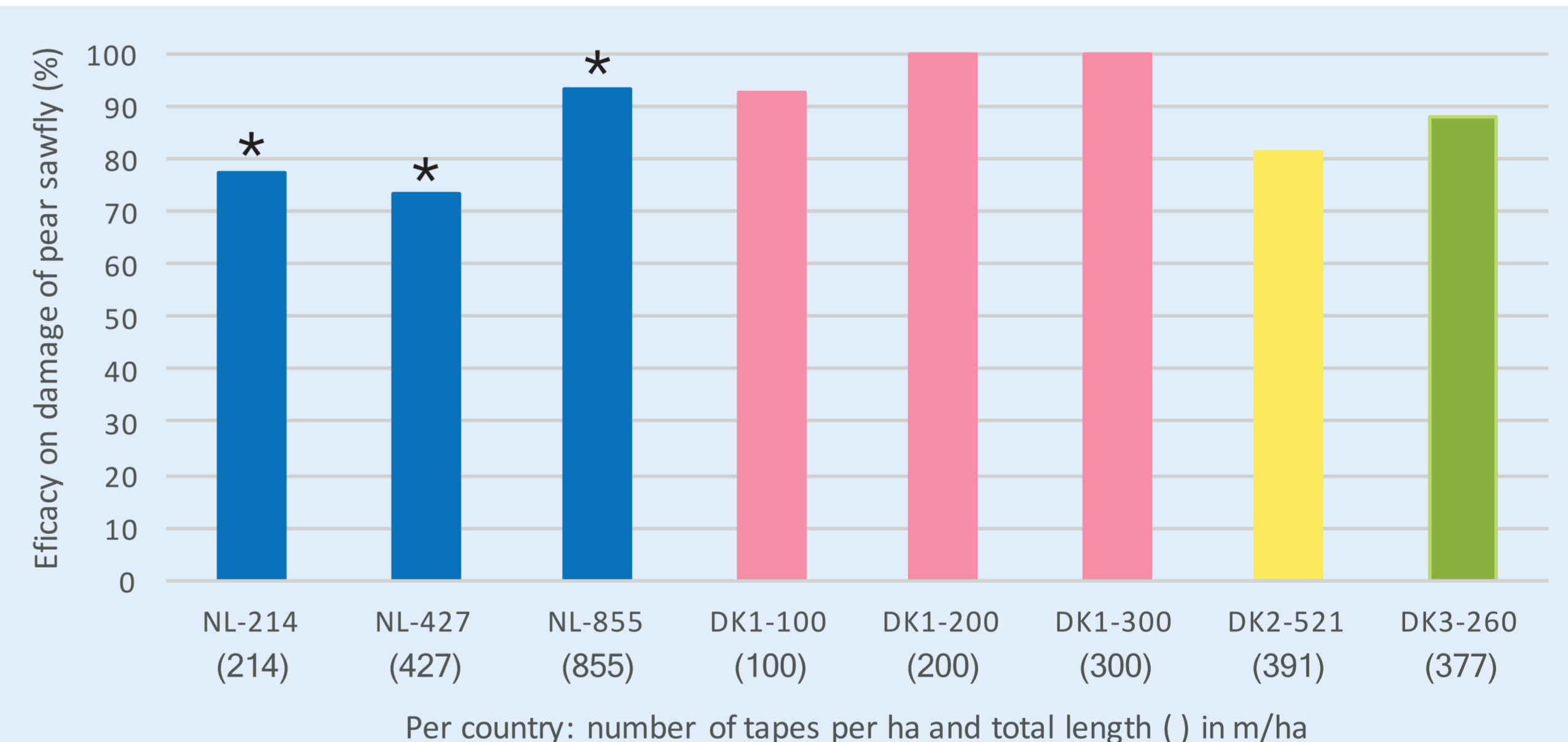


Figure 3 Efficacy of sticky tapes on the damage of pear sawfly (%) in different countries and with varying tape density. (\* statistically different from UTC).

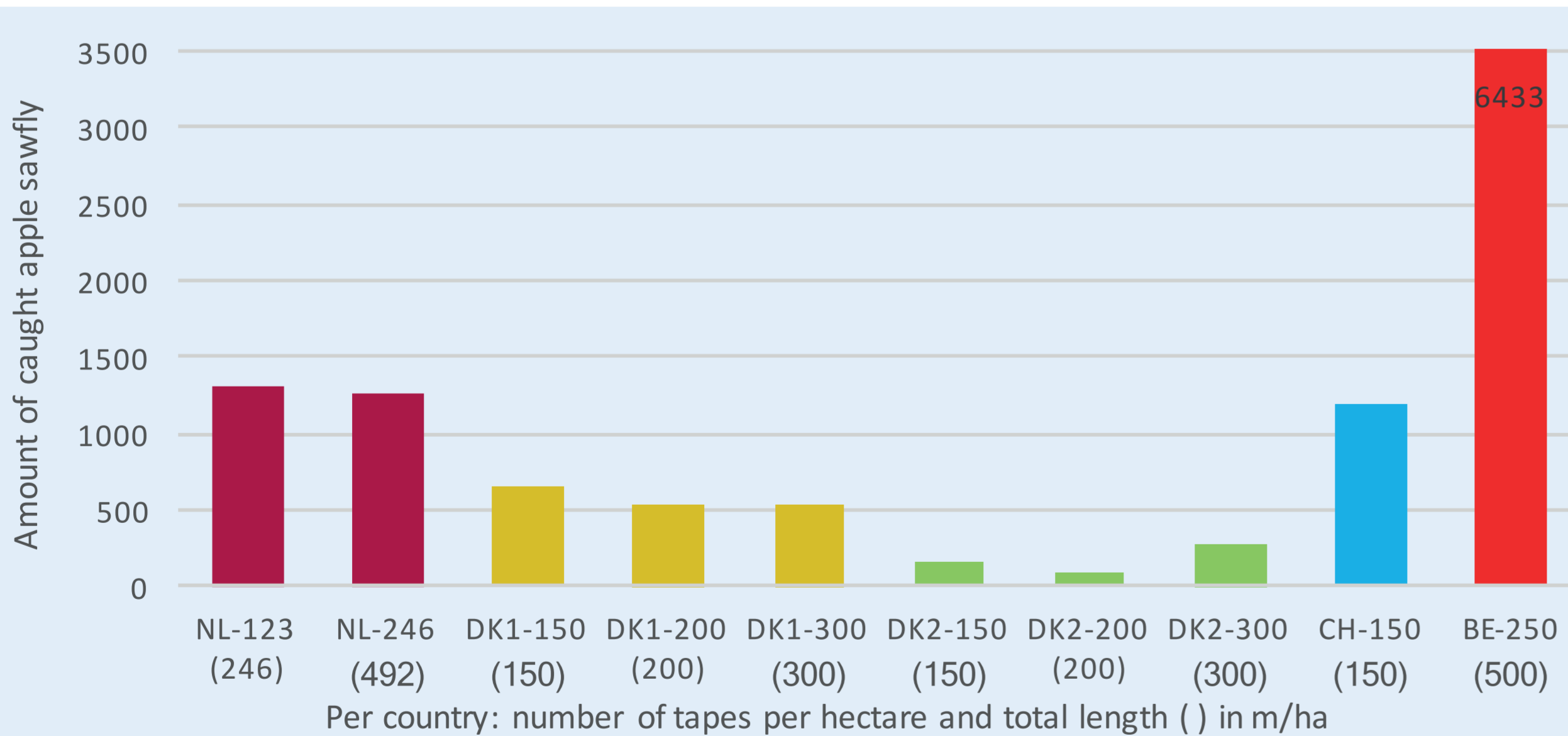


Figure 2 The number of apple sawfly caught on sticky tapes per hectare in different countries and with varying tape density.

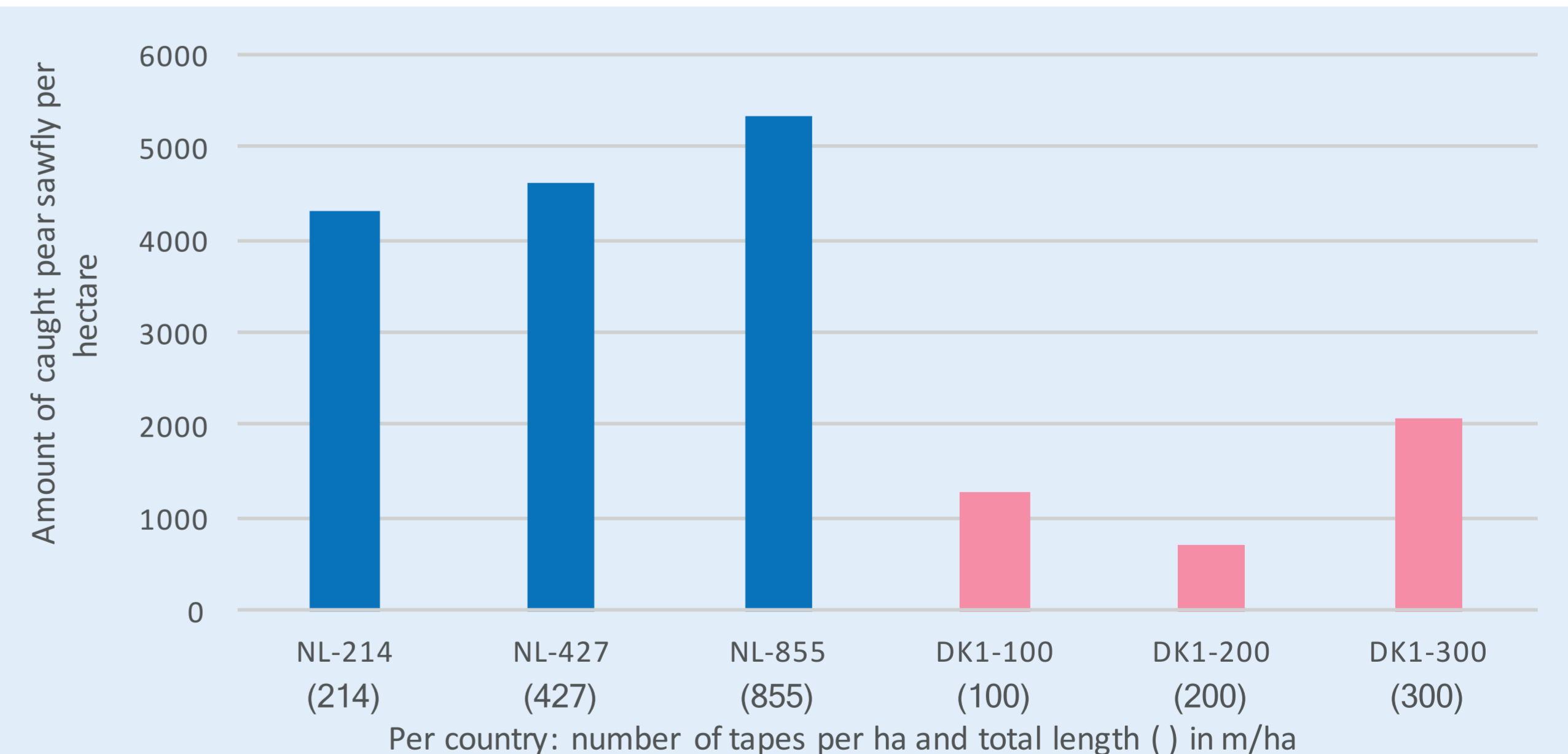


Figure 4 The number of pear sawfly caught on sticky tapes per hectare in different countries and with varying tape density.

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