Practical on the invasive species *Dryocosmus kuriphilus* and the biological control with *Torymus sinensis*

Student name:

Fill in and send to andrea.battisti@unipd.it or through Moodle by November 23.

Question to answer in max 2-3 lines of text

1. Describe the origin of *Dryocosmus kuriphilus* and the pathway through which it was introduced.

2. Assess the impact on the chestnut tree as you have seen during the field visit and possible economic importance.

3. Identify the major challenges for the management of the pest in the area of invasion, especially in relation to the possibility of eradication.

4. Explain why biological control is an option and which are the ecological constraints associated with.

5. Comment on the graph below and on the results of the laboratory assessment.



Y axis: number of Torymus sinensis emerged from 100 galls

X axis: sites of Veneto where Torymus sinensis has been released in 2010 (t+4), 2011 (t+3), 2012 (t+2), 2013 (t+1)

CRE = Crespano (site of gall collection)