

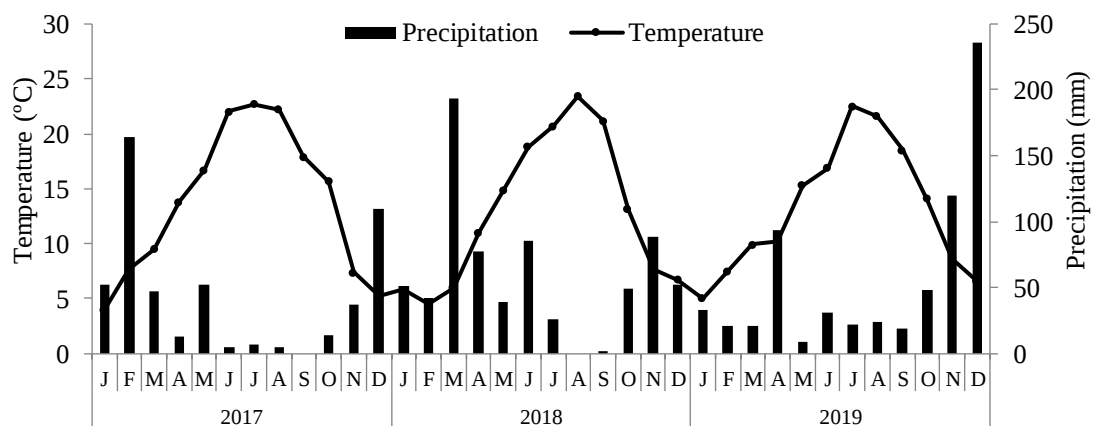


Figure S1. Average monthly temperature and precipitation during the experimental period in the weather station of Sta Apolónia Farm in Bragança.

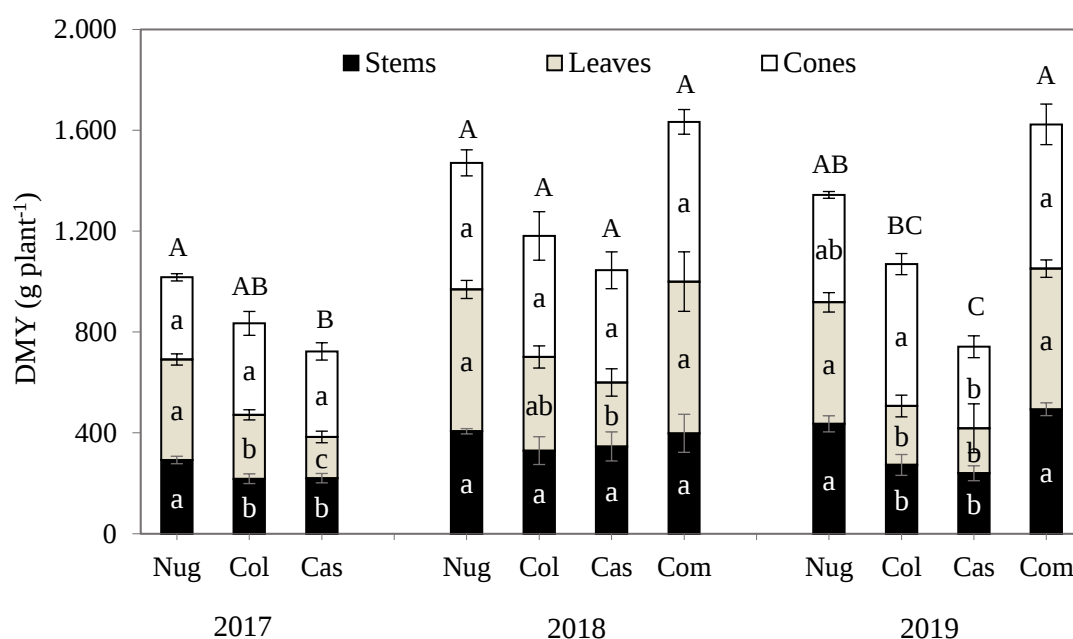


Figure S2. Dry matter yield (DMY) of hop plant parts and total, in 2017, 2018 and 2019, as a function of cultivar (Nug, Nugget; Col, Columbus; Cas, Cascade; and Com, Comet). Within each year, means followed by the same letter (lower case for each plant tissue and uppercase for total) are not statistically different by Tukey HSD test ($\alpha = 0.05$). Error bars are the confidence intervals of the means of the respective tissue ($\alpha = 0.05$).