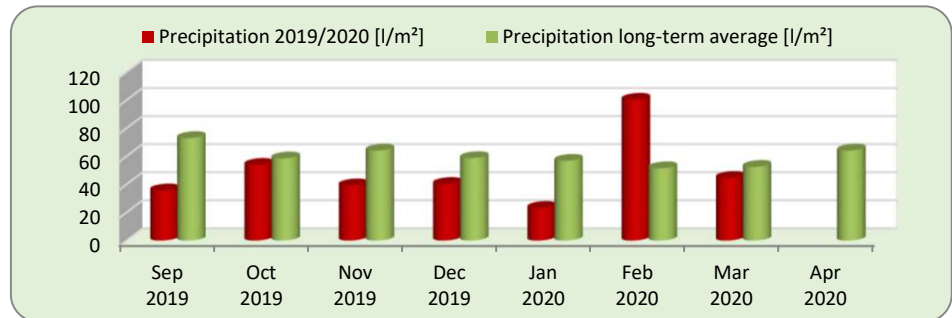
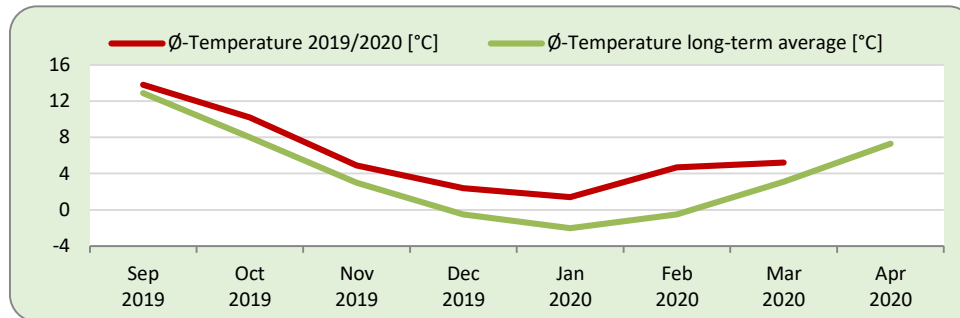


Report on Weather and Hop Growing Conditions

Report Period: September 2019 - April 2020

Germany - Weather Station Hüll/Hallertau



Weather conditions:

The autumn of 2019 was characterised by above-average mild temperatures with little precipitation, in some cases well below the long-term average. Constant high humidity and little winds ensured that the soil in many places did not dry out. The winter months were also far too mild and, apart from February, too dry. Variable weather conditions with sun clouds and rain, ensured wet soils until mid-March. The second half of March was mostly free of precipitation, with constant wind drying the soils. Despite sunny and warm temperatures in April, hardly any budding began, night frost with distinctly negative temperatures prevented this.

Spring works:

Until mid-March, cutting work was only possible in a few locations and on some days with night frost. From mid-March onwards, optimal conditions for cutting and working like hanging and plugging in wire prevailed.

Despite the restrictions imposed by the corona pandemic on Eastern European seasonal workers, the work was completed on schedule with local auxiliary workers.

Forecast:

The vegetation is currently within the normal range. For the northern Hallertau, it is expected that training works will begin as early as the end of April, while the south and middle areas will not kick-off prior May.

We hope that, despite the restrictive entry conditions for seasonal workers due to the corona crisis, sufficient workers from other economic sectors will be available for training.

It is to be feared that bottlenecks could occur in large agronomic entities.

The supply of plant protection products seems to be secured at present.

