

Presence of *Berberis* species and their aecial infection in Çankırı province of Turkey

Nilüfer Akci¹ Aziz Karakaya^{2*}

¹ Plant Protection Central Research Institute, Yenimahalle, Ankara, Turkey

² Ankara University, Faculty of Agriculture, Department of Plant Protection, Dışkapı, Ankara, Turkey

* karakaya@agri.ankara.edu.tr

In 2021 and 2022, the presence of *Berberis* plants in the Çankırı province of Turkey and their aecia infection status were investigated. In 2021, 45 *Berberis* plants in Şabanözü, Orta, Atkaracalar, Kurşunlu and Korgun districts, and in 2022, 73 *Berberis* plants in Eldivan, Yapraklı, Ilgaz, Şabanözü districts and Çankırı central district were examined.



Surveys were carried out between May and June. Morphological variation was observed among the *Berberis* plants.

It appears that different species of *Berberis* exist in the Çankırı province of Turkey.



The number of *Berberis* plants in 100 m² varied between 0-38. Aecia could not be detected in some *Berberis* plants. The percentage of aecia-infected leaves in *Berberis* plants in which aecia were detected ranged from 2 to 35. Aecial pustules were common in leaves but aecia were also observed on different plant organs.

