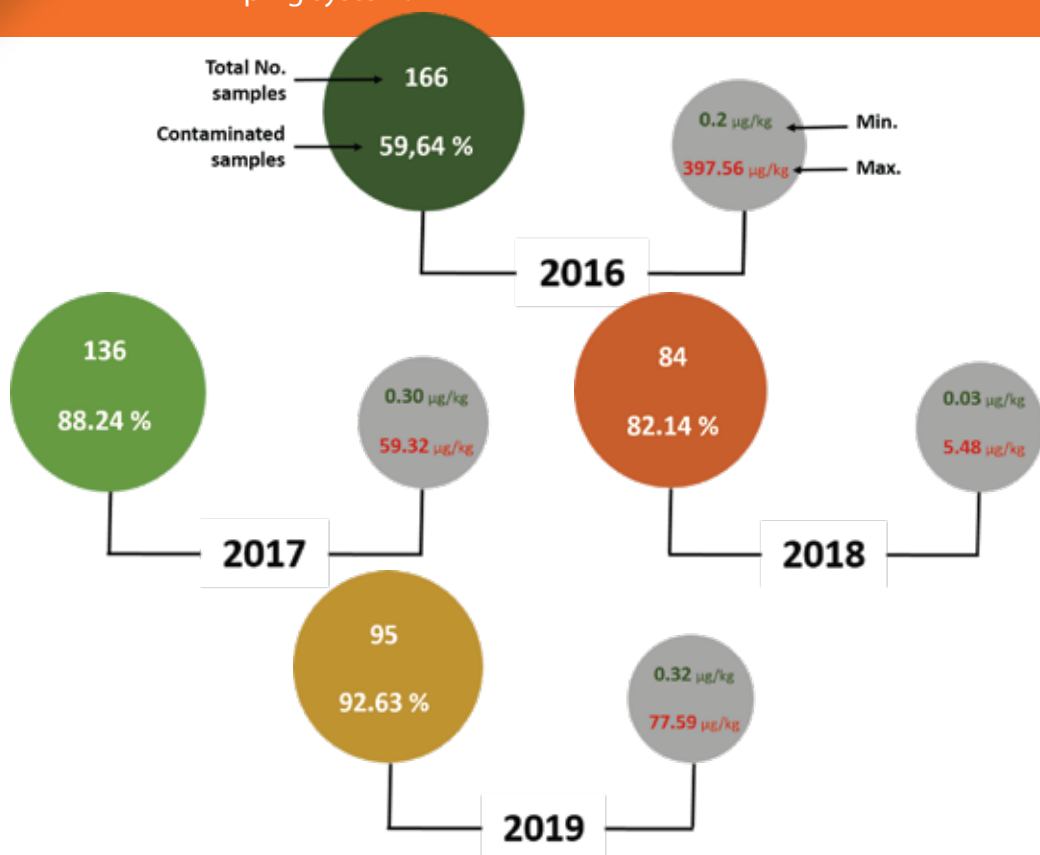


# MycoKey actions on maize: 2016-2019 survey on the incidence of total aflatoxins in Romanian maize samples

## Objective

A maize survey was conducted in Romania, to monitor the occurrence of total aflatoxins in maize samples collected during the 2016-2019 growing seasons from fields located in all counties. All samples were collected along with information regarding the applied agronomic practices and cropping system.



Aflatoxin contamination of maize samples (harvest 2016) was independent of the type of hybrid. When referring to the analysed maize samples, the southern regions of Romania were the most affected by the incidence of total aflatoxins (harvest 2016).

Aflatoxin contamination on maize registered a much lower level in 2017, when only two samples noted concentrations higher than 10.00 µg/kg. The presence of aflatoxins was independent of the type of hybrid and previous crop. The study regarding the incidence of aflatoxins within the Romanian maize crop will be continued.

- AFLA contamination of maize samples (harvest 2016) was independent of the type of hybrid;
- When referring to the analysed maize samples, the southern regions of Romania were the most affected by the incidence of total aflatoxins (harvest 2016);

MycoKey project has been funded by European Commission under Horizon 2020 programme, Societal challenge 2 "Food security, sustainable agriculture and forestry, marine, maritime and inland water research and the bioeconomy challenge" – topic "Biological contamination of crops and the food chain".

It aims to deliver the first integrated ICT based solutions to address mycotoxin contamination along the food and feed chain, by using a holistic and sustainable approach.



Horizon 2020

Call: H2020-SFS-2015-2

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