

New and Emerging Plant Pests and Diseases

9 CFU in 3 moduli (3 prof. Giorgio Balestra + 3 Dott. Angelo Mazzaglia + 3 Dott. Stefano Speranza)

I semestre

Program

The course deal with the main plant pathogens and parasites (fungi, bacteria, insects) of particular importance and of recent introduction and diffusion in the EU. Compared to the same disease agents for agricultural crops, the objectives are to highlight their biology, epidemiology, detection and containment strategies with reduced environmental impact. Specifically, the course aims to bring a knowledge of the factors that have led to the entry into the EU of different and dangerous agents on agricultural crops. At the same time, it is essential to learn what are the measures and strategies with reduced chemical impact to contain the damages caused by them. Therefore, aspects concerning their biological cycle will be discussed, the factors (biotic and abiotic) that have contributed to their introduction into the environment and successful on their spread and survival.