TECHNOLOGICAL OFFER

Xanthomonas arboricola pv. *pruni* disease prediction system for stone fruit and almond trees (XapCAST)

The bacterial spot, caused by *Xanthomonas arboricola* pv. *Pruni*, is one of the most damaging diseases for stone fruit and almond trees, with severe losses in quality and production. Unfortunately, phytosanitary treatments have limited efficacy and increasingly strict restrictions on use. The proposed XapCAST solution, through a predictive system, makes it possible to determine the risk of infection and the progress of the disease, optimising the timing, efficacy and application of pesticides.

COMPETITIVE ADVANTAGE

- Savings in phytosanitary products.

- Reduction of environmental impact.

- Improved prevention and control of bacterial spot disease.

- Increase in crop productivity.

OBJECTIVE MARKET

- Producers of stone fruit and almond trees.

- Phytosanitary companies.

- Public administrations in plant protection.

POTENTIAL APPLICATIONS

- Plant protection decision support.

- Integrated pest management systems.

- Sustainable crop optimisation.

ROADMAP / TIME-TO-MARKET

- Projects R+D Challenge Programs 2013 (**AGL2013-41405-R**).

- Projects R+D Research Challenges 2018 (**AGL2017-85121-R**)

- Projects R+D+I Prove of concept 2021 (**PDC2021-120778-I00**)

- Doctorate grants.

- The researchers are interested in technology transfer to a third party and in improving its development in cooperation with an external company.