

Dickeya species in potato and management strategies (*Dickeya* spp.)



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Research consortium

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Objectives

1. Monitoring of *Dickeya* species in potato with a special emphasis on the new *Dickeya*-type ('*D. solani*'), for regulatory and trade purpose)
2. Risk assessment (improved understanding of potential risk and impact) also including: aggressiveness; host range; epidemiology
3. Identification and detection tools: - new detection and identification tools for the different *Dickeya* spp.; - non-destructive detection tools (for use in storage?); - validation (proficiency testing) of the new tools and the existing *D. solani*-specific TaqMan PCR.
4. Development of risk management approaches and development of policy in the event of outbreaks, prevention policy.

Key outputs and results

- a) ecological/pathogenic and genotypic characteristics of the various genetic groups of *Dickeya* pathogens, including the virulence on various host plants and the ability to survive in water and on materials.
- b) tools for identifying and detecting these pathogens and on evaluation of these tools (reliability, cost effectiveness, user friendliness).