



inov3PT
SEED POTATO
FOR THE FUTURE

TransmYcontrol

Biocontrol to limit the transmission
of Potato Virus Y



Abstract

Viral diseases were the cause of almost 60% of the downgrades recorded during the 2019/2020 campaign, 87% of which were accounted for by Potato virus Y (PVY). Mineral oil is the only treatment identified for limiting the spread of PVY in seed potato production. The main aim of the project is to optimise the application of mineral oil during the crop cycle in relation to environmental pressure, with a view to making the best recommendations to growers. Although mineral oil is still the only effective preventive treatment against transmission of the Y virus, climatic conditions are increasing vector pressure, which is reducing its effectiveness. It is therefore necessary to identify other biocontrol solutions that could have a synergistic effect by combining them with mineral oil and providing better protection.

Actions

Action 1 : identify the frequency and dose of treatments that provide good protection against transmission of virus Y under controlled conditions and in the field

Action 2 : find the biocontrol oil-product combination that maximises protection efficacy under controlled conditions and in the field

TECHNICAL MEMO

Call for projects:
Plan Ecophyto II+
AAP 2020-2021



Project leader:



Project duration: 36 mois

Start/End of project:

01/09/2021 – 31/08/2024

Partners:

- 2 regional growers organisations :
Comité Centre et Sud et Comité Nord
- Université Picardie Jules Verne (UPJV) :
 - Centre de Ressources Régionales en Biologie Moléculaire (CRRBM)
 - Plateforme Analytique (PFA)
 - Plateforme Serres

Suppliers of biosolutions:

- DeSangosse
- Medinbio
- Agrisynergie et autres

Financial support:



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