



**inov3PT**  
SEED POTATO  
FOR THE FUTURE

# 1<sup>er</sup> DECCLIC : Developing knowledge, combining and deploying to improve weed control on dicotyledons



## Abstract

The 1st DECCLIC project responds to the challenges of PARSADA, and aims to develop new weed control strategies to cope with the potential withdrawal of 28 active substances currently widely used to control dicotyledons on crops intended for processing (legumes, vegetables, potatoes, medicinal poppies). To achieve this, it will focus on establishing nuisance thresholds for the main weeds, adapting alternative tools to conventional weeding or allowing targeted and reduced application, and researching lower-impact herbicide solutions, particularly biocontrol. The obstacles to the deployment of the new levers will be studied in order to remove any barriers. New combinatorial strategies, integrating a plot and cropping system approach, will be proposed, with the aim of achieving technical, economic, social and environmental multi-performance. Demonstrations, user training and co-design of new itineraries will contribute to transfer and deployment.

## Actions

**Action 1** : deepen knowledge of the biology, ecology and population dynamics of the main weeds, and their harmfulness

**Action 2** : developing innovative agricultural equipment, providing access to solutions available in Europe with a better eco-toxicological profile

**Action 3** : evaluate solutions at plot and landscape level, combining known and new levers identified during the project, and assess the impact of rotations and different tillage approaches on weeds

**Action 4** : redesign technical itineraries to regulate weed development, support the deployment of new sustainable cultivation practices

## TECHNICAL MEMO

### Call for projects:

Plan d'Action stratégique pour l'anticipation du potentiel Retrait européen des Substances Actives et le Développement de techniques Alternatives pour la protection des cultures (PARSADA)

### Project leader:



Project duration: 58 months

### Start/End of project:

01/03/2024 – 31/12/2028

### Partners:

- ARVALIS
- Chambre d'Agriculture du Loiret
- FRANCOPIA
- inov3PT
- INRAE
- SONITO
- TERRES INOVIA

### Providers:

- The 3 regional seed potatoes growers :
  - Comité Centre et Sud
  - Bretagne Plants
  - Comité Nord Plants de Pomme de Terre

### Financial support:



### inov3PT project manager:

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