Pathology Laboratory

GEVES
Expertise & Performance

Description of GEVES

GEVES (the French Variety and Seed Study and Control Group) conducts trials and studies for the description and evaluation of varieties and the analysis and control of seeds. It acts as an expert and reference body at national and international level for all cultivated species.
The SNES (National Seed Testing Station), the technical sector of GEVES, is responsible for supporting public policy and the industry. It is also the National Reference Laboratory for Seeds and Plants and for Plant Health.
The station contributes to the enforcement of regulations and facilitates national and international trade in seeds.

The Pathology Laboratory

❑ **Our missions :**

- Assess seed health quality: 200 host/pest pairs;
- Assess varietal resistance under controlled conditions: 171 pairs/pest species;
- Assess treatment efficacy (biocontrol and conventional): 24 pathosystems;
- Carry out LNR SV tasks: 56 host/pest pairs
- Produce inoculum in various forms (contaminated seeds or grains, solid or liquid medium, plant organs, spores, DNA).

❑ **Our human resources and equipment :**

- 39 qualified permanent experts divided into four multidisciplinary teams
- 550 strains of pests in our reference collection
- 221m^2 of greenhouse space / 156m^2 of quarantine greenhouse space
- 30 climate modules (with light, temperature and humidity controls) covering a total area of 216m^2

❑ **Our accreditations:**

- COFRAC accreditation – ISO 17025
- ISTA accreditation
- OCVV accreditation
- Quarantine approval
- DGAL approval

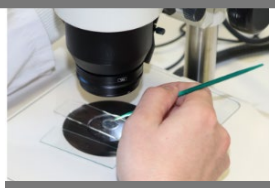
cofrac ESSAIS ACCREDITATION N°1-1316 et N°1-6176 LISTES DES SITES ET PORTÉES DISPONIBLES SUR WWW.COFRAC.FR

OCVV Office Communautaire des Variétés Végétales

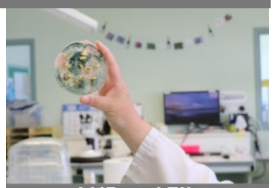
ISTA ACCREDITED LABORATORY FRDL0200

Our teams


Varietal resistance


Seed Health Quality


Treatment Evaluation


LNR and EIL methodology

The species we work with


Arable and fodder crops


Lawns


Vegetables


Ornamental, aromatic, medicinal


Secondary plants

Get in touch!
Customer service
service.clients@geves.fr

Evaluation of seed and plant protection treatment

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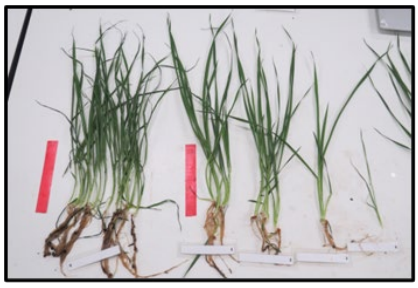
Our missions

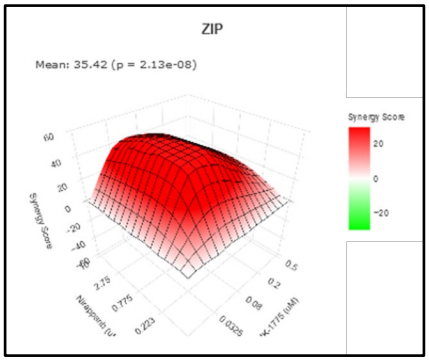
- **Development of new pathogen systems**
  - *In vitro* and *in vivo* screening of pathogenic strains
  - Determination of optimal conditions for disease development

- **Evaluation of the effect of seed protection products and/or on seedlings**
  - Preventive and/or curative application tests
  - Tests to evaluate combinations of treatment methods
  - Biocontrol and conventional products

In vitro tests



In vivo tests



Example of combination assessment results

- **Participation in national and international research programmes and membership of associations**
  - AsCoLuP, Sucseed, SeedBioProtect, Supraseed,...
  - Association Biocontrôle et Biostimulation pour l'Agroécologie

SUCSEED CULTIVER PROTÉGER autrement

SeedBioProtect

CAP PROTÉINES innovons pour notre souveraineté protéique

SUPRASEED Revolutionising seed protection and enhancement with cutting-edge innovation for sustainable agriculture.

ADHÉRENT DE L'ABBA

The pathosystems worked on

Beetroot	*Aphanomyces cochlioides*
Wheat	*Microdochium nivale, Tilletia caries, Fusarium* sp., *Puccinia striiformis, Puccinia triticina, Pythium* sp.
Cabbage	*Hyaloperonospora brassicae*
Rapeseed	*Plasmodiophora brassicae, Phoma lingam, Fusarium* sp., *Alternaria brassicicola, Rhizoctonia solani*
Spinach	*Pythium* sp. (soon)
Lettuce	*Fusarium oxysporum race 1 et 4*
Maize	*Fusarium* sp., *Pythium* sp., *Rhizoctonia solani*
Tomato	*Meloidogyne incognita, Rhizoctonia solani*
Sunflower	*Botrytis cinerea, Plasmopara halstedii, Fusarium* sp.

Get in touch!
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