



Fédération Nationale des Producteurs de Plants de Pomme de Terre

Site internet : www.plantdepommeeterre.org

Key figures

Workforce

In 2019 : 61 engineers and technicians

Total budget

In 2019 : 5,3 M € (€3.6 million excluding varietal creation)

The innov'ation for the seed potato quality

FN3PT, a technical institute for the seed potato sector, is conducting, with its Regional Producers' Organisations (Bretagne Plants, Comité Nord and Comité Centre-et-Sud), major research and development activities aimed at developing innovation and strengthening the quality and competitiveness of French seed potatoes.

FN3PT is a technical organisation (association under the law of 1901) which brings together all seed potato producers and their regional organisations (POs). The FN3PT/OP is responsible for the technical improvement of the quality of the French seed potato, the development of production and its promotion, which translates into the following main tasks:

- Contributing to the control and certification of seed potatoes, through technical agreements with the GNIS/SOC ;
- The improvement of methods for detecting and controlling seed potato diseases;
- Improvement of production techniques and technical advice to producers;
- Production of seed material;
- Variety development;
- The promotion of the French certified seed potato;
- Support for exports.

Important research actions are carried out around the following axes:

- preserving the quality of certified seed potatoes
- mobilizing genetic resources for varietal innovation
- develop innovative and reasoned production strategies
- to strengthen the competitiveness of farms and the seed potato sector with the aim of transferring tools and knowledge for the benefit of stakeholders in the sector.

Research actions in the sanitary field aim at reinforcing the guarantees on the certified seed potatoes, avoiding the development of new diseases and reducing the causes of non-quality. The main research work concerns the improvement of knowledge and tools for the detection of viral, bacterial and nematode diseases, the epidemiology of emerging diseases and the search for innovative control methods.

In the varietal field, work is aimed at better characterising genetic resources and helping breeders to select new potato varieties adapted to the market and combining multiple criteria (earliness, productivity, culinary quality, suitability for processing, adaptation to production areas, disease resistance, etc.). In a context of limited inputs, particular emphasis is placed on ways to accelerate the introgression of resistance genes to pests (mildew, nematodes, viruses, etc.). FN3PT is also developing genetic fingerprints of potato varieties and manages a variety database.

The adaptation of cultivation techniques to the specificities of the seed potato sector concerns the different stages of cultivation, from the production of initial material to the technical itineraries of seed potato production. The work is aimed at adapting the quality of seed potatoes to the new needs of users, transferring innovations, strengthening the reasoning of cultivation itineraries and the protection of users, as well as promoting alternative methods and the development of organic seed potatoes.

Contacts



Président FN3PT :

Éric FALLOU

E-mail : eric.fallou@fnpppt.fr

Codirection

Recherche-Développement-Innovation

:

Yves LE HINGRAT

E-mail : yves.lehingrat@fnpppt.fr

Responsable International :

Bernard QUERE

E-mail :

b.quere@franceobtention.com

Président de l'OP BRETAGNE :

Bretagne-Plants :

Dominique MORVAN

Directeur de l'OP NORD : Comité

Nord / Sipre :

Eric NIRDOL

E-mail :

eric.nirdol@comitenordplant.fr

Directeur FN3PT/inov3PT :

Bernard QUERE

E-mail : bernard.quere@fnpppt.fr

Codirection

Recherche-Développement-Innovation

:

Virginie GOBERT

E-mail : virginie.gobert@fnpppt.fr

Président d' inov3PT :

Jean-Charles QUILLET

Président de l'OP CENTRE et

SUD : Comité Centre et Sud :

Éric FALLOU

Directeur de l'OP CENTRE et SUD

: Comité Centre-et-Sud :

Philippe LATY

E-mail :

philippe.laty@comitecentreesud.fr

**Président du Conseil Scientifique
et Technique :**

Pierre CHAGVARDIEFF (CEA)

Responsable Informatique -

Maçabilité :

Christophe DARGIER

E-mail :

christophe.dargier@fnpppt.fr

Président de l'OP NORD : Comité

Nord :

Jean-François ROUSSEL

E-mail : roussejff@wanadoo.fr

Directeur de l'OP BRETAGNE :

Bretagne-Plants :

Jean-Yves ABGRALL

E-mail :

bretplants@plantsdebretagne.com

Regional offices

• Bretagne

FN3PT
 UMT InnoPlant FN3PT-INRAE Rennes
 UMT INNOPLANT (pathologie)
 FN3PT-INRAE
 INRAE UMR IGEPP
 Domaine de la Motte
 35653 RENNES LE RHEU
 Phone: 02 23 48 58 16
 Yves LE HINGRAT
yves.lehingrat@fnpppt.fr

FN3PT
 UMT InnoPlant FN3PT-INRAE
 Ploudaniel
 UMT INNOPLANT (génétique)
 FN3PT/INRAE-IGEPP
 Keraiber
 29260 PLOUDANIEL
 Phone: 02 29 62 63 10
 Sylvie MARHADOUR
sylvie.marhadour@fnpppt.fr

FN3PT
 OP BRETAGNE-PLANTS Hanvec
 Station Roudouhir
 29260 HANVEC
 Phone: 02 98 21 97 00
 Fax: 02 98 21 97 08
 Jean-Yves ABGRALL
bretplants@plantsdebretagne.com

FN3PT
 OP BRETAGNE PLANTS (station de
 création variétale de Kerloï)
 Station de Kerloï
 29260 PLOUDANIEL
 Phone: 02 29 62 63 14
 Fax: 02 98 83 74 32
 Jean-Marc ABIVEN
j.m.abiven@plantsdebretagne.com

• Centre-Val-de-Loire

FN3PT
 OP CENTRE-et-SUD Orléans
 OP Comité Centre et Sud / Grocep
 13, avenue des Droits de l'Homme
 Cité de l'Agriculture
 45921 ORLEANS Cedex 9
 Phone: 02 38 71 95 16
 Philippe LATY

• Hauts de France

FN3PT
 FN3PT/inov3PT Achicourt
 Rue des champs potez
 62217 Achicourt
 Virginie GOBERT
virginie.gobert@fnpppt.fr

FN3PT
 FN3PT/inov3PT Amiens
 Université Picardie Jules Verne (UPJV)
 1, Chemin du Thil - CS 52501 -
 80025 Amiens
 Mounia Khelifa
mounia.khelifa@fnpppt.fr

FN3PT
 OP COMITE-NORD/SIPRE Achicourt
 COMITE NORD / SIPRE - Station
 rue des champs Potez
 62217 ACHICOURT
 Phone: 03 21 60 46 60
 Fax: 03 21 60 46 62
 Eric NIRDOL

• Normandie

FN3PT
 OP NORD (Station de création variétale de Bretteville)
 Station de Bretteville
 La petite Chaussée
 76110 BRETTEVILLE-DU-GRAND-CAUX
 Phone: 02 35 27 86 57
 Fax: 02 35 29 69 94
 Frédérique AUROUSSEAU
frederique.aurousseau@comitenordplant.fr

- **Nouvelle Aquitaine**

FN3PT
OP CENTRE-et-SUD (Station de Laurière : création variétal et laboratoires)
Grocep - Station de Lavergne
BP 3
87370 LAURIERE CEDEX
Phone: 05 55 71 49 95
Fax: 05 55 71 51 61
grocep@wanadoo.fr

- **Île-de-France**

FN3PT
FN3PT / inov3PT siège
43-45 rue de Naples
75008 PARIS
Phone: 01 44 69 42 60
Fax: 01 44 69 42 61
Bernard QUERE
fnpppt@plantdepommedeterre.org

FN3PT
FN3PT/inov3PT Gif
CNRS-I2BC
1, avenue de la terrasse
91118 Gif-sur-Yvette
Jérémy Cigna
jeremy.cigna@fnpppt.fr

Areas of expertise

- **National Scientific Coordination :**

Research, Development and Innovation Co-Directorate :

Yves LE HINGRAT : yves.lehingat@fnpppt.fr

Virginie GOBERT : virginie.gobert@fnpppt.fr

Projects and Partnerships, Assistant to the Scientific Co-Director:

Laura DEMEY: laura.demey@fnpppt.fr

Yves LE HINGRAT yves.lehingat@fnpppt.fr

- **Sanitary quality and pests of seed potatoes :**

Tools for detection and characterization of pests, epidemiology and control strategies:

- Regulated and emerging organisms (bacteria, nematodes, etc.): Anne-Claire LE ROUX anneclaire.leroux@fnpppt.fr
- Pectinolytic bacteria: Valérie HELIAS valerie.helias@fnpppt.fr
- Potato viruses: Laurent GLAIS: laurent.glais@fnpppt.fr
- Fungal and bacterial alterations of tubers: Karima BOUCHEK-MECHICHE : karima.bouчек@fnpppt.fr

- **Genetics and Support for Variety Creation :**

Molecular marking, marker-assisted selection, varietal resistance, genetic fingerprinting.

Sylvie MARHADOUR sylvie.marhadour@fnpppt.fr

- **Biocontrôle :**

Amélie BEURY amelie.beury@fnpppt.fr

- **Traceability, IT :**

Christophe DARGIER christophe.dargier@fnpppt.fr

- **Quality control laboratories and tissue culture laboratories :**

- Achicourt Station : Xavier RIQUIEZ xavier.riquiez@comitenordplant.fr
- Hanvec Station : Arnaud BARBARY a.barbary@plantsdebretagne.com
- Laurière Station : Fanny MEYTRAUD fanny.meytraud@grocep.fr

- **Experimentation and seed potato production techniques :**

- Nord : Sébastien VAST sebastien.vast@comitenordplant.fr
- Bretagne (station) : Julie LE MOAL j.lemoal@plantsdebretagne.com
- Bretagne (coordination expé): Philippe DOLO p.dolo@plantsdebretagne.com
- Centre-et-Sud : Philippe LATY philippe.laty@comitecentretsud.fr
- Centre et Sud (SO) : Michel MALET michel.malet.mac@wanadoo.fr

- **Regional research programmes :**

- Responsable scientifique SIPRE / Nord : Frédérique AUROUSSEAU / Clément MABIRE frederique.aurousseau@comitenord-sipre.fr clement.mabire@comitenordplant.fr
- Responsable RD Centre-et-Sud: Fanny MEYTRAUD / Caroline VIGUIE fanny.meytraud@grocep.fr caroline.vigue@grocep.fr
- Coordinateur projets RD Bretagne : Arnaud BARBARY a.barbary@plantsdebretagne.com

- **Organic seed potato production :**

- Convention Bretagne-Plants / Aval douar Beo (organic potato producers' organisation) for the implementation of a research programme on organic seed potatoes.

- Work integrated into the general programme of other regions

- **Development and international relations :**

Bernard QUERE bernard.quere@fnpppt.fr



-
- Sanitary quality of seed potatoes (detection, epidemiology, control strategies)
 - Prevention of emerging pathogens
 - Potato varietal innovation meeting the needs of users and society
 - Characterization of genetic resources
 - Development of innovative and reasoned seed potato production strategies, limiting the use of inputs and improving crop management thanks to new technologies.
 - Alternative methods and biocontrol solutions
 - Competitiveness of the farms and the sector, on the national and export markets
 - Support for the development of new production methods, including organic plants
 - Valorization, transfer and communication of the results of the work to the actors of the sector and its environment.

Written information

- Scientific and technical articles
- Technical data sheets, newsletters
- Reasoned protection guides
- Good Plant Treatment Practices Guide (collective)
- Practical Guide for Potato Diseases, Pests and Disorders (FN3PT, GNIS, ARVALIS) and its electronic version DiagPOT
- Catalogue of potato varieties (FN3PT, GNIS, ARVALIS)
- www.umt-innoplant.fr

Oral information

- Producer and technician meetings
- Visits to test platforms; demonstrations
- Papers at scientific congresses and technical days
- Carrefour de la Recherche plant

Website : (FN3PT - GNIS)

www.plantdepommeeterre.org

Trainings

- Organisation of technical training for producers, technicians (field and laboratory) and plant breeders
- Training of new producers (production routes, pathology, certification and regulations, conservation, ...)
- Training of laboratory staff in new detection techniques and transfer of tools, molecular markers or technical innovations.
- Reception of trainees, PhD students and postdoctoral fellows
- International cooperation projects, reception of delegations and training of foreign visitors

www.plantdepommedeterre.org