

# Seed & Plant Health

Complete phytopathology services for your R&D projects

## Fungi, Bacteria, Nematodes, Viruses, Pests

### Pathogen detection & quantification

- Catalogue of 500+ detection tests
- International phytosanitary standards
- PCR and NGS screening of bacteria & fungi
- Plant Doctor diagnostic service

### Seed Certification

- Material movement, official certificates and Phytosanitary Passports (PP)
- ISTA seed germination and pathogen diagnostic

### Entomology expertise

- Identification, quantitative analysis of bulk samples, biodiversity study

### Artificial inoculation

- Soil, seed and plant contamination for R&D studies
- Survival and virulence checks

## Plant Breeding and Crop Protection Seeds, Biologicals, Chemicals

### Varietal screening

- Bioassays
- Genotyping / disease resistance markers
- Phenotyping / field scoring

### Crop protection R&D

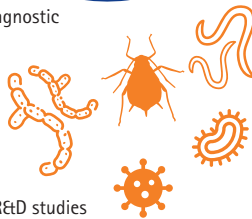
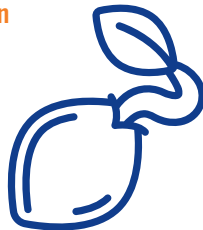
- Efficacy screening in vitro, tests on plants, field studies
- Safety tests in lab and field studies
- Impact on environment, food chain studies

### Registration services

- Strategic advice, dossier and submission support

### Resistance monitoring

- Field strain collection
- Baseline of susceptibility and resistance tests (FRAC, IRAC and ad hoc methods)



Portfolio

Expertise

Accreditations



30+

Years of  
Testing

5

Pathology laboratories  
in FR, UK, ES, US

1

Taxonomy expert  
team in NL

# Seed & Plant Health

## Large Crop Diversity



## Broad Catalogue

### Detection and quantification tests

**100+**

Fungi

**180+**

Bacteria

**20+**

Nematodes

**200+**

Virus/Viroids

Analysis of seeds, tubers, bulbs, plant, soil and water samples | Detection of single species and screening packages | DNA Multiscan (PCR) and microbiome analysis (NGS) on bacteria and fungi

Inoculum supply of soil, seedborne and foliar pathogens

**USTINH, PYRNGR, TILLCA, FUSASP, BREMLA, PYTHSP, PHYTIN** Other species available on request

## Fit for purpose technology and equipment



Field trialing



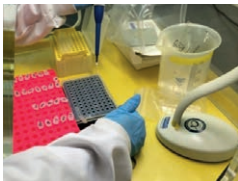
Microbiology, pathology  
(ELISA, PCR, real-time PCR, in  
vitro and in planta bioassays)  
and taxonomy/entomology



Climatic chambers,  
rhizotrons, timelapse,  
greenhouses



Biochemistry,  
molecular biology,  
genomics lab (NGS)



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