

One-stop service - world-class, worldwide

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

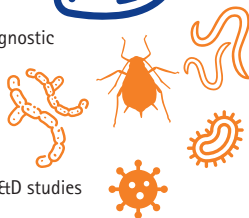
- Material movement, official certificates and Phytosanitary Passports (PP)
- ISTA seed germination and pathogen diagnostic

Entomology expertise

- Identification, quantitative analysis of bulk samples, biodiversity study

Artificial inoculation

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



Plant Breeding and Crop Protection Seeds, Biologicals, Chemicals

Varietal screening

- Bioassays *in vitro* and *in planta*
- Genotyping / disease resistance markers
- Phenotyping / field scoring, 3D plant scan, root scan

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

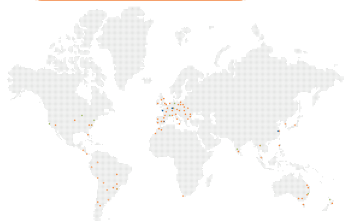
Resistance monitoring

- 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



agrosience services

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Seed & Plant

Large Crop Diversity



Cereals,
field crops



Vegetables



Orchards
Vineyards



Ornamental,
medicinal
plants



Forestry,
grass, other
plants

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, bioassays) and
taxonomy/entomology



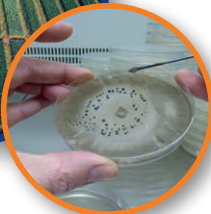
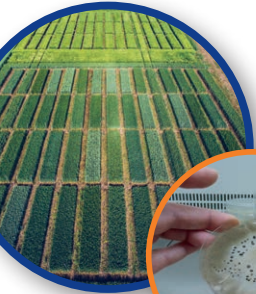
Climatic chambers,
rhizotrons,
greenhouses



High throughput
phenotyping (3D plant
scanner, drone imagery),
root scan, timelapse



Biochemistry,
molecular biology,
genomics lab (NGS)



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Agroscience
services

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