

Testing for health



Every grower and producer wants to be able to supply their customers with healthy and true to type plant material. Naktuinbouw tests seeds, plants and trees for health and quality and can check the identity of plant material. Our Testing & Analyses services are available to everyone. We have a large laboratory with high-tech equipment and various teams with their own expertise.

Testing for health

At Phytopathology, we examine the health of plant propagating material. Our specialists perform risk analyses and develop protocols that we use to determine the health of propagating material with (high) certainty. These tests are performed on seeds and cuttings and sometimes on water or soil or the end product, such as onions.

Plant material with no visible abnormalities may still have quality defects or carry damaging viruses, viroids, bacteria, fungi or other organisms. Our laboratory tests give insight into the condition of the propagating material.

What can you expect from us?

We have more than 150 protocols that are used to test more than 3,000 pathogen, crop and matrix combinations to assess samples.

We register your sample, assess the material after receipt for quantity and quality and prepare it for testing. Testing is started as soon as possible. After completion you will receive a declaration stating the analysis results for the sample.

Testing & Analyses



Seed analysis

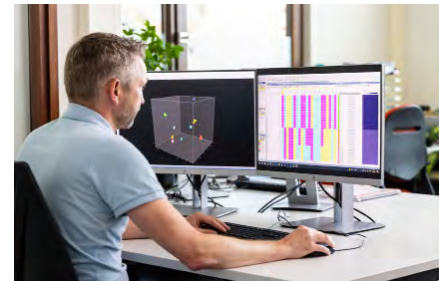
At Seed Analysis, we examine the quality and and purity of plant propagating material.

What is the potential germination vigor and what can be expected in terms of usable plants? Is the seed pure? Does it contain prohibited weed seeds? You can contact us for all these questions.



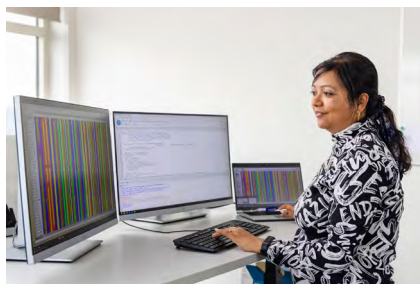
Diagnostics

The Diagnostics Team investigates and tests samples of plants with symptoms. Our employees have extensive knowledge about symptoms caused by plant pathogens, such as fungi, bacteria, viruses, viroids and nematodes. Various crops that arrive from all over the world ensure their knowledge continues to grow.



Identity

Our Molecular Markers team performs independent genetic tests to investigate issues related to plant identity. A DNA profile is a powerful tool in crime investigations, but it can also solve identity issues in the plant world. Are you unsure about the identity of a variety? Do you suspect a mixed up in a lot or do you have a suspicion of an infringement on you protected variety or parental lines? Variety Tracer enables us to find the answers.



Bioinformatics

We analyse DNA data to support identity determination, find (new) pathogens and their detection. Our investments in machine learning and artificial intelligence (AI) enable even more effective analysis of large datasets with images and DNA data. This provides the foundation to further develop our service provision for you.



Healthy plant material

Due to phytosanitary risks of introducing (new) quarantine organisms, imports of plant material of certain fruit crops are banned in Europe. Special dispensation from the Netherlands Food and Consumer Product Safety Authority means we can import this material via our Post Entry Quarantine (PEQ) station. The material can be released if no quarantine organisms are found after thorough testing.



Contact information

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