

# Evaluation of biostimulation products for seeds and seedlings

## Biostimulation



### Germination test under controlled conditions

Evaluation of seed germination capacity under favourable or unfavourable growth conditions after treatment

- Evaluation of seedling growth



### Automated monitoring of seed germination

Evaluation of seed germination rate under favourable or unfavourable growth conditions after treatment

- 2D Imagery – Germination monitor



### Seedling development test

Evaluation of development of main seedling organs under favourable or unfavourable growth conditions after treatment

- 2D Imagery – Elongation monitoring, length measurement. Biomass measurement of different seedling organs



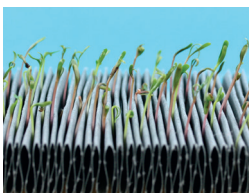
### Coating quality trial

Evaluation of representative criteria of coating quality (sphericity, thickness, uniformity...)

- 3D x-ray tomography



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## Adapted solutions to support your research projects

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### Species concerned



Field & Forage



Grass



Vegetable



Ornamental, Aromatic & Medicinal



Forest

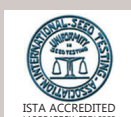


Service Plants



## Our Recognitions & Partnerships:

- ◆ Cofounder and member of BiBios, a French group of experts on biocontrol and biostimulation of seeds
- ◆ A broad partnership:
  - ✓ EPPO
  - ✓ ISHI-Veg
  - ✓ UFS
  - ✓ ISTA
  - ✓ INRA
  - ✓ RMT Veg-Diag



## Our Expertise & Experience:

- ◆ Development and improvement of new methods:
  - ✓ *In vitro* and *in vivo* tests
  - ✓ Phenotyping
- ◆ Participation in national and international research programs
- ◆ Validation of methods through evaluation of performance criteria



## Our Teams & Equipment:

- ◆ Multidisciplinary teams of qualified experts
- ◆ Diverse phenotyping equipment (single seed analysis):  
Germination benches, ElonCAM, tomography
- ◆ 700m<sup>2</sup> laboratories  
350m<sup>2</sup> climate chambers (34 modules)  
5 automated phenotyping tools

