

Biocontrol Biostimulant

Effectiveness & phytotoxicity studies

Internationally recognised expertises

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Biocontrol

Evaluation of treatments for seeds and seedlings under controlled conditions

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	Our Recognitions & Partnerships:
Production of inoculum For laboratory and company internal trials	 Member of the French Biocontrol Consortium Cofounder and member of BiBios, a French group of experts on biocontrol ar
 On grains for substrate contamination On seeds In liquid medium 	 biostimulation of seeds A broad partnership: EPPO ISHI-Veg UFS ISTA INRAE RMT Veg-Diag
Pathogen viability test Determines if a pathogenic agent is present, alive and harmful in <i>in vitro</i> condition after treatment	
By stainingBy germination on growing medium	Our Expertise & Experience:
Biotest Evaluation of efficiency of biocontrol products for seeds and seedlings	 Tests conducted on naturally or artificially contaminated soil, seeds and seedlings Development and improvement of new methods: In vitro and in vivo tests Early detection using biotests + PCR
 Disease incidence Grow-out and PCR detection <i>in planta</i> 	
Germination test under verification of seed germination capacity after treatment	
Evaluation of seedling growth	Participation in several research programs : Aseeds, Actifol, Ascolup, Sucssed
Coating quality test Evaluation of representative criteria of coating quality . 3D x-ray tomography	 Validation of methods through evaluation of performance criteria
Expertise for nearly 300 host/bioaggressor couples	Our Teams & Equipment:
More than 2500 isolates incl. 400 standard isolates Bacteria-Fungi-Virus-Nematodes-Aphids Species concerned	 Multidisciplinary teams of qualified experts 560m² of laboratories equipped for microbiology and molecular biology 30 climate chambers 45m² of greenhouse benches
species concerned	Adapted solutions to support your research projects

Field & Forage

Ornamental, Aromati & Medicinal

Service Plant



Evaluation of treatments for seeds and seedlings under controlled conditions

	Our Recognitions & Partnerships:
Germination test under controlled conditions Evaluation of seed germination capacity under favourable or unfavourable growth conditions after treatment	 Cofounder and member of BiBios, a French group of experts on biocontrol and biostimulation of seeds A broad partnership: ISTA < INRAE < UFS
Evaluation of seedling growth	
Automated monitoring of seed germination rate under favourable or unfavourable growth conditions after treatment	Our Expertise & Experience:
2D Imagery – Germination monitor	 Development and improvement of new methods: Seed germination and seedling growth and development tests Phenotyping
Seedling development test Evaluation of development of main seedling organs under favourable or unfavourable growth conditions after treatment	 Participation in several research programs : Aseeds, Qualilev, Sucseed
 2D Imagery – Elongation monitoring, length measurement. Biomass measurement of different seedling organs 	 Validation of methods through evaluation of performance criteria
Coating quality trial Evaluation of representative criteria of coating quality (sphericity, thickness,	Our Teams & Equipment:
uniformity)	Multidisciplinary teams of qualified experts
• 3D x-ray tomography	 Diverse phenotyping equipment (single seed analysis): Germination benches, FlonCAM, tomography
	 700m² laboratories 350m² climate chambers (34 modules) 5 automated phenotyping tools
Species concerned	
Field & Formate Field	Adapted solutions to support your research projects







& Medicinal

Service Plants





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