

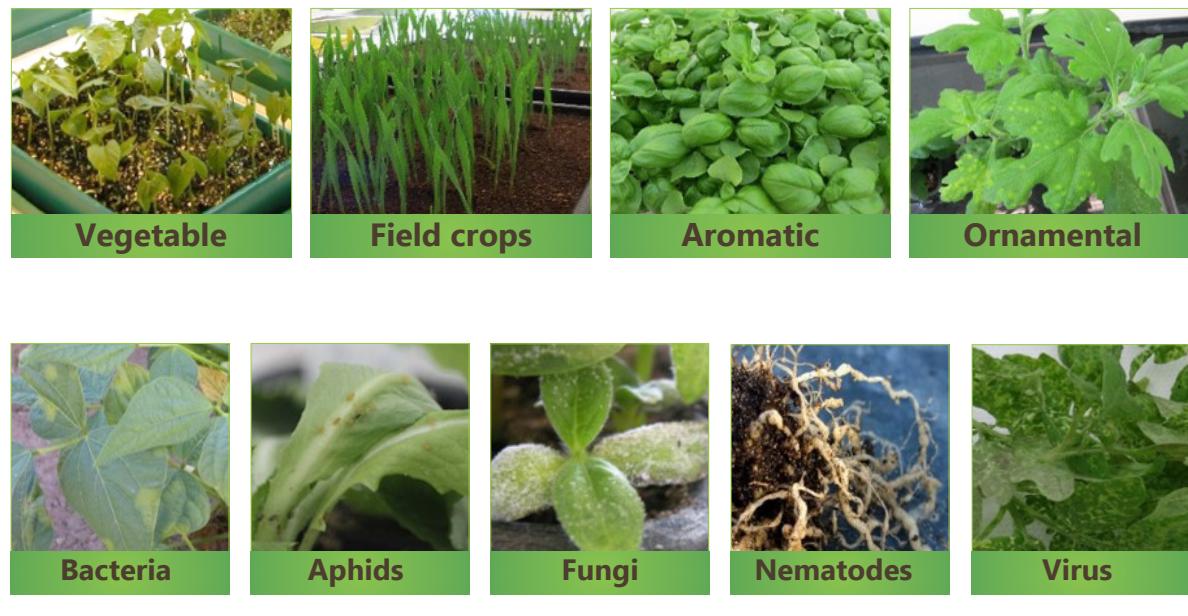


Comparison of behaviour of varieties and lines with resistant, intermediate and susceptible reference controls.

You want to evaluate varietal resistance in order to:

- ✓ Register varieties in the Official French Catalogue of Varieties
- ✓ Protect your plant variety rights
- ✓ Promote your genetic progress
- ✓ Develop new pathosystems
- ✓ Evaluate treatment effectiveness

Currently 160 host/race pairs for pathogens and pests



Facilities

- ✓ **560m²** of laboratories
- ✓ **30** climatic chambers
- ✓ **1** greenhouse with **7 chapels** and **45 m²** of test areas

We carry out variety resistance evaluation for the following plant species, pathogens and pests:

Vegetable species	Pathogens/Pests
Eggplant	<i>Verticillium dahliae</i>
Chicory	<i>Thielaviopsis basicola</i>
Cabbage	<i>Fusarium oxysporum f. sp. conglutinans</i> <i>Plasmodiophora brassicae</i>
Cucumber	<i>Cucurbit mosaic virus (CMV)</i> <i>Cucumber green mottle mosaic virus (CGMMV)</i> <i>Zucchini yellow mosaic virus (ZYMV)</i> <i>Watermelon mosaic virus (WMV)</i> <i>Podosphaera xanthii</i>
Squash	<i>Cucurbit mosaic virus (CMV)</i> <i>Zucchini yellow mosaic virus (ZYMV)</i> <i>Watermelon mosaic virus (WMV)</i> <i>Podosphaera xanthii</i>
Strawberry	<i>Colletotrichum acutatum</i> <i>Phytophthora cactorum</i>
Bean	<i>Bean common mosaic necrotic virus (BCMV)</i> <i>Colletotrichum lindemuthianum</i> <i>Pseudomonas savastanoi</i> pv. <i>phaseolicola</i> <i>Xanthomonas axonopodis</i> pv. <i>phaseoli</i>
Lettuce	<i>Bremia lactucae</i> Bl: 1-7 ;10 ;12-18 ;20-27 ;29-35. <i>Lettuce mosaic virus (LMV)</i> LMV-O, LMV-9 <i>Fusarium oxysporum</i> f. sp. <i>lactucae</i> <i>Nasonovia ribisnigri</i>
Corn salad	<i>Peronospora valerianellae</i> Pv: 1 & Pv: 2
Melon	<i>Fusarium oxysporum</i> f. sp. <i>melonis</i> Fom: 0, Fom: 1, Fom: 2 & Fom: 1.2 <i>Golovinomyces cichoracearum</i> Gc: 1 <i>Podosphaera xanthii</i> Px: 1, 2, 3, 5, 3-5 <i>Melon necrotic spot virus (MNSV)</i> <i>Marocan watermelon mosaic virus (MWMV)</i> <i>Cucurbit mosaic virus (CMV)</i> <i>Zucchini yellow mosaic virus (ZYMV)</i>
Pepper	<i>Potato virus Y (PVY)</i> PVY: O, PVY: 1 & PVY: 1.2. <i>Tobacco mosaic virus TMV</i> :O <i>Pepper mild mottle virus (PMMoV)</i> PMMoV:1.2 & PMMoV:1.2.3 <i>Tomato spotted wilt virus (TSWV)</i> <i>Meloidogyne incognita</i>
Pea	<i>Ascochyta pisi</i> race C <i>Fusarium oxysporum</i> f. sp. <i>pisi</i> Fop:1 <i>Bean yellow mosaic virus (BYMV)</i> <i>Pea enation mosaic virus (PEMV)</i> <i>Erysiphe pisi</i>
Tomato	<i>Verticillium dahliae</i> <i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i> Fol: 0, Fol: 1 & Fol: 2 <i>Passalora fulva</i> Pf: 0 & Pf: 2.4.5 <i>Fusarium oxysporum radicis</i> f. sp. <i>lycopersici</i> <i>Stemphylium</i> spp <i>Tobacco mosaic virus TMV</i> :O <i>Tomato spotted wilt virus (TSWV)</i> <i>Meloidogyne incognita</i> <i>Pseudomonas syringae</i> pv. <i>tomato</i> <i>Pyrenopeziza lycopersici</i>

Other species	Pathogens/Pests
Basil	<i>Peronospora behlbarii</i>
Beetroot	<i>Heterodera schachtii</i> <i>Aphanomyces</i> <i>Rhizoctonia solani</i> <i>Cercospora beticola</i>
Wheat	<i>Wheat spindle streak mosaic virus (WSSMV)</i> <i>Soil borne mosaic virus (SBCMV)</i> <i>Oculimacula acuformis</i> <i>Oculimacula yallundae</i>
Brome	<i>Xanthomonas translucens</i> pv. <i>graminis</i>
Rapeseed	<i>Plasmodiophora brassicae</i> (P1+, P1, P2+, P2, P3+, P3, P5)
Cruciferous Fodder (White mustard, fodder radish)	<i>Heterodera schachtii</i> <i>Meloidogyne incognita</i> <i>Meloidogyne javanica</i> <i>Meloidogyne hapla</i>
Alfalfa	<i>Ditylenchus dipsaci</i> <i>Verticillium albo-atrum</i> <i>Colletotrichum trifolii</i> <i>Fusarium oxysporum</i> f. sp. <i>Medicagostrifoliorum</i> <i>Sclerotinia trifoliorum</i>
Barley	<i>Barley Mild Mosaic Virus (BaMMV)</i> <i>Barley Yellow Mosaic Virus (BaYMV)</i> <i>Soil Borne Mosaic Virus (SBCMV)</i>
Potato	<i>Globodera pallida</i> <i>Globodera rostochiensis</i>
Ray-grass/Fescue/ Festulolium	<i>Xanthomonas translucens</i> pv. <i>graminis</i>
Sunflower	<i>Plasmopara halstedii</i> 100, 304, 307, 314, 334, 703, 704, 710, 714 & 774
Vetch	<i>Heterodera schachtii</i>

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Prices, quotes and information:

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Our expertise:

- ✓ Acknowledgements and certifications:
 - ✓ ISO 9001: 2015 (VCUS)
 - ✓ CPVO entrustment
- ✓ Multidisciplinary team of qualified experts.
- ✓ Managing and participating in national and international research projects.
- ✓ Development of custom methods.
- ✓ Application of validated international methods (UPOV, CPVO) and participation in their harmonisation.
- ✓ The number of host/pathogen pairs controlled in the laboratory has doubled in 10 years in response to sector needs.