



GEVES
Expertise & Performance

Bioagressors resistance assessment in France for VCUS studies and on request for specific tests

Species	Class of pathogen or pest	Pathogens and pests	Bioagressor resistance assessment for VCUS in France managed by GEVES: 128		
			In agronomic value trials (without inoculations): 91	In specific tests in field: 39	In specific tests in pathology lab: 23
Sugar and fodder beet	F	<i>Aphanomyces cochlioides</i>			✓
Sugar and fodder beet	F	<i>Cercospora beticola</i>	✓	✓	
Sugar and fodder beet	F	<i>Erysiphe betae</i>	✓	✓	
Sugar and fodder beet	F	<i>Ramularia betae</i>	✓	✓	
Sugar and fodder beet	F	<i>Rhizoctonia solani</i>		✓	
Sugar and fodder beet	F	<i>Uromyces beta</i>	✓	✓	
Sugar and fodder beet	N	<i>Heterodera schachtii</i> (Nematodes)			✓
Sugar and fodder beet	V	BNYVV		✓	
Barley	F	<i>Blumeria graminis</i>	✓		
Barley	F	<i>Helminthosporium teres</i>	✓		
Barley	F	<i>Puccinia hordei</i>	✓		
Barley	F	<i>Puccinia striiformis</i>	✓		
Barley	F	<i>Ramularia collo-cygni</i>	✓		
Barley	F	<i>Rhynchosporium secalis</i>	✓		
Barley	V	BaMMV & BaYMV		✓	✓
Barley	V	BYDV		✓	
Durum wheat	F	<i>Blumeria graminis</i>	✓		
Durum wheat	F	<i>Fusarium graminearum & culmorum</i>		✓	
Durum wheat	F	<i>Puccinia recondita</i>	✓	✓	
Durum wheat	F	<i>Puccinia striiformis</i>	✓	✓	
Durum wheat	F	<i>Stagonospora nodorum</i>	✓		
Durum wheat	F	<i>Zymoseptoria tritici</i>	✓		
Durum wheat	V	SBCMV & WSSMV		✓	✓
Oat	F	<i>Blumeria graminis</i>	✓		
Oat	F	<i>Puccinia coronata</i>	✓	✓	
Oat	F	<i>Stagonospora avenae</i>	✓		
Rice	F	<i>Fusarium</i>	✓		
Rice	F	<i>Magnaporthe oryzae</i>	✓		
Rice	F	<i>Sclerotium oryzae</i>	✓		
Rice	I	<i>Chilo suppressalis</i>	✓		
Rye	F	<i>Puccinia recondita</i>	✓		
Triticale	F	<i>Blumeria graminis</i>	✓		
Triticale	F	<i>Fusarium graminearum & culmorum</i>		✓	
Triticale	F	<i>Parastagonospora nodorum & Zymoseptoria tritici</i>	✓	✓	
Triticale	F	<i>Pseudocercoporella herpotricoides</i>		✓	
Triticale	F	<i>Puccinia recondita</i>	✓	✓	
Triticale	F	<i>Puccinia striiformis</i>	✓	✓	
Triticale	F	<i>Rhynchosporium secalis</i>	✓		
Triticale	V	SBCMV & WSSMV		✓	
Wheat	F	<i>Blumeria graminis</i>	✓		
Wheat	F	<i>Fusarium graminearum & culmorum</i>		✓	
Wheat	F	<i>Pseudocercoporella herpotricoides</i>		✓	
Wheat	F	<i>Puccinia recondita</i>	✓	✓	
Wheat	F	<i>Puccinia striiformis</i>	✓	✓	
Wheat	F	<i>Stagonospora nodorum</i>	✓		
Wheat	F	<i>Zymoseptoria tritici</i>	✓	✓	
Wheat	I	<i>Sitodiplosis mosellana</i>			✓ (CRA Gembloux)
Wheat	V	SBCMV & WSSMV		✓	
Flax	F	<i>Chalara elegans & Pythium sp.</i>		✓	
Flax	F	<i>Fusarium oxysporum f.sp. lini</i>		✓	
Flax	F	<i>Oidium lini</i>	✓		
Flax	F	<i>Septoria linicola</i>	✓		
Maize	F	<i>Fusarium graminearum & moniliforme</i>	✓		
Maize	F	<i>Helminthosporiose</i>	✓		
Maize	F	<i>Ostrinia nubilalis & Sesamia nonagrioides</i>		✓	
Maize	F	<i>Ustilago maydis</i>	✓		
Oilseed rape	F	<i>Cylindrosporium concentricum</i>	✓	✓	
Oilseed rape	F	<i>Leptosphaeria maculans</i>		✓	
Oilseed rape	F	<i>Plasmodiophora brassicae</i>			✓
White mustard & fodder radish	N	<i>Heterodora schachtii</i>			✓
White mustard & fodder radish	N	<i>Meloidoavne chitwoodi</i>			✓ (HZPC NL)
White mustard & fodder radish	N	<i>Meloidoavne fallax</i>			✓ (HZPC NL)
White mustard & fodder radish	N	<i>Meloidogyne hapla</i>			✓
Fescue, Rye grass (Turf use)	F	<i>Corticium fuciforme</i>	✓		
Fescue, Rye grass (Turf use)	F	<i>Fusarium roseum</i>	✓		
Fescue, Rye grass (Turf use)	F	<i>Helminthosporium : Drechslera spp.</i>	✓		
Fescue, Rye grass (Turf use)	F	<i>Microdochium nivale</i>	✓		
Fescue, Rye grass (Turf use)	F	Rust: <i>Puccinia sp.</i>	✓		

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Brome	B	<i>Xanthomonas campestris</i> pv. <i>graminis</i>	✓		✓
Brome	F	<i>Drechslera tritici-repentis</i>	✓		
Brome	F	<i>Erysiphe graminis</i>	✓		
Brome	F	Rust : <i>Puccinia brachypodii</i> & <i>P. striiformis</i>	✓		
Brome	F	<i>Ustilago bullata</i>	✓		
Brome	V	Viruses	✓		
Cock's foot	F	<i>Mastigosporium rubricosum</i>	✓		
Cock's foot	F	<i>Rhynchosporium orthosporum</i>	✓		
Cock's foot	F	Rust : <i>Puccinia graminis</i> & <i>P. striiformis</i> & <i>Uromyces dactylidis</i>	✓		
Cock's foot	F	<i>Scolecotrichum graminis</i>	✓		
Cock's foot	V	Viruses	✓		
Fescue, Rye grass (fodder use)	B	<i>Xanthomonas translucens</i> pv.	✓		✓
Fescue, Rye grass (fodder use)	F	<i>Drechslera</i> sp.	✓		
Fescue, Rye grass (fodder use)	F	Rust : <i>Puccinia graminis</i> & <i>P.</i>	✓		
Fescue, Rye grass (fodder use)	F	<i>Scolecotricum graminis</i>	✓		
Fescue, Rye grass (fodder use)	V	Viruses	✓		
Lucerne	F	<i>Colletotrichum trifolii</i>	✓		✓
Lucerne	F	<i>Erysiphe trifolii</i>	✓		
Lucerne	F	<i>Fusarium oxysporum</i> f. sp. <i>medicaginis</i>			✓
Lucerne	F	<i>Peronospora trifoliorum</i>	✓		
Lucerne	F	<i>Pseudopeziza</i> sp.	✓		
Lucerne	F	Rust: <i>Uromyces</i> spp.	✓		
Lucerne	F	<i>Sclerotinia trifoliorum</i>	✓		
Lucerne	F	<i>Verticillium, albo-atrum</i>	✓		✓
Lucerne	N	<i>Ditylenchus dipsaci</i>	✓		✓
Lucerne	V	Viruses	✓		
Red Clover	F	<i>Erysiphe trifolii</i>	✓		
Red Clover	F	<i>Kabatiella caulivora</i>	✓		
Red Clover	F	<i>Leptosphaerulina trifolii</i> (pepper spot)	✓		
Red Clover	F	<i>Peronospora trifoliorum</i>	✓		
Red Clover	F	<i>Pseudopeziza trifolii</i>	✓		
Red Clover	F	<i>Rhizoctonia violacea</i>	✓		
Red Clover	F	<i>Sclerotinia trifoliorum</i>	✓		
Red Clover	F	<i>Uromyces trifolii</i>	✓		
Red Clover	V	Viruses	✓		
Vetch	F	<i>Botrytis fabae</i>	✓		
Vetch	F	<i>Colletotrichum truncatum</i>	✓		
Vetch	F	<i>Erysiphe</i> sp. (polygoni)	✓		
Vetch	F	<i>Peronospora viciae</i>	✓		
Potato	B	<i>Streptomyces</i> sp.		✓	
Potato	F	<i>Phytophthora infestans</i> (leaf)		✓	
Potato	F	<i>Phytophthora infestans</i> (tuber)		✓	
Potato	N	<i>Globodera pallida</i> Pa 2-3			✓
Potato	N	<i>Globodera rostochiensis</i> Ro 1-4			✓
Potato	V	PLRV		✓	✓ (INRA)
Potato	V	PVA		✓	✓ (INRA)
Potato	V	PVX		✓	✓ (INRA)
Potato	V	PVY		✓	✓ (INRA)
Field bean	F	<i>Ascochyta fabae</i>	✓		
Field bean	F	<i>Botrytis fabae</i>	✓		
Field bean	F	<i>Peronospora viciae</i>	✓		
Field bean	F	<i>Uromyces fabae</i>	✓		
Field pea	F	<i>Mycosphaerella pinodes</i>	✓		
Lupin	F	<i>Botrytis cinerea</i>	✓		
Lupin	F	<i>Colletotrichum gloeosporioides</i>	✓		
Lupin	F	<i>Pleiocheta setosa</i>	✓		
Lupin	F	<i>Uromyces lupinicolus</i>	✓		
Sunflower	F	<i>Diaporthe helianthi</i>		✓	
Sunflower	F	<i>Plasmopara halstedii</i> (race 100, 304, 307, 314, 334, 703, 704, 710, 714)			✓
Sunflower	F	<i>Sclerotinia sclerotiorum</i>		✓	

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Class of pathogens or pests:

B: Bacteria
F: Fungus
I: Insect
N: Nematodes
V: Virus