

Codes for Pest Organisms in Cereal

The tables are not subject to updates. The latest update was made in 2009. These codes serve as purely information and not recommendations from the ISF Working Group Disease Resistance Terminology.

Crops

- [*Avena sativa*](#) (Oats)
- [*Hordeum vulgare*](#) (Barley)
- [*Secale cereale*](#) (Rye)
- [*Triticum spp.*](#) (Wheat)



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1. *Avena sativa* (Oats)

Scientific name	English common name(s)	Code
Viruses		
<i>Barley yellow dwarf virus</i>	Barley yellow dwarf virus	BYDV
<i>Oat golden stripe virus</i>	Oat chlorotic stripe virus, oat tubular virus, soil-borne oat stripe virus	OGSV
<i>Oat mosaic virus</i>	Soil-borne oat mosaic virus	OMV
Fungi		
<i>Bipolaris victoriae</i> (teleomorph <i>Cochliobolus victoriae</i>)	Victoria blight	Bv
<i>Blumeria graminis</i> f. sp. <i>avenae</i> (anamorph: <i>Oidium monilioides</i>)	Powdery mildew	Bga
<i>Drechslera avenae</i>	Helminthosporium leaf spot, Helminthosporium leaf blotch, Drechslera leaf spot	Da
<i>Puccinia coronata</i>	Crown rust	Pc
<i>Puccinia graminis</i> f. sp. <i>avenae</i>	Stem rust	Pga
<i>Stagonospora avenae</i> f. sp. <i>avenaria</i> (teleomorph <i>Phaeosphaeria avenaria</i> f. sp. <i>avenaria</i>)	Speckled blotch, Septoria leaf blotch, Septoria black stem	Saa
<i>Ustilago avenae</i>	Loose smut	Ua
<i>Ustilago segetum</i>	Covered smut	Ug
Nematodes		
<i>Ditylenchus dipsaci</i>	Stem nematode, Stem eelworm, Stem and bulb nematode	Dd
<i>Heterodera avenae</i>	Cereal cyst nematode	Ha

2. *Hordeum vulgare* (Barley)

Scientific name	English common name(s)	Code
Viruses		
<i>Barley mild mosaic virus</i>	Barley mild mosaic	BaMMV
<i>Barley yellow dwarf virus</i>	Barley yellow dwarf	BYDV
<i>Barley yellow mosaic virus</i>	Barley yellow mosaic	BaYMV
Bacteria		
<i>Pseudomonas syringae</i> pv. <i>atrofaciens</i>	Basal glume rot	Psa
<i>Pseudomonas syringae</i> pv. <i>syringae</i>	Bacterial leaf blight	Pss
Fungi		
<i>Bipolaris sorokiniana</i> (teleomorph <i>Cochliobolus sativus</i>)	Common root rot	Bs
<i>Blumeria graminis</i> f. sp. <i>hordei</i>	Powdery mildew	Bgh
<i>Drechslera graminea</i> (teleomorph: <i>Pyrenophora graminea</i>)	Leaf stripe, Barley stripe	Dg
<i>Drechslera teres</i> f. sp. <i>maculata</i>	Net blotch ('spot' form), Spot-type net blotch, Spotted net blotch (SNB)	Dtm
<i>Drechslera teres</i> f. sp. <i>teres</i> (teleomorph: <i>Pyrenophora teres</i>)	Net blotch ('net' form), Net-type net blotch, Netted net blotch (NNB)	Dtt
<i>Fusarium avenaceum</i> (teleomorph: <i>Gibberella avenacea</i>)	Fusarium head blight, Scab	Fa
<i>Fusarium culmorum</i>	Fusarium head blight, Scab	Fc
<i>Fusarium graminearum</i> (teleomorph: <i>Gibberella zeae</i>)	Fusarium head blight, Scab	Fg
<i>Fusarium pseudograminearum</i>	Crown rot	Fp

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<i>Gaeumannomyces graminis</i>	Take-all	Gg
<i>Microdochium nivale</i> var. <i>majus</i>	Snow mould, Pink snow mold	Mnm
<i>Oculimacula acuformis</i> (anamorph: <i>Helgardia acuformis</i>)	Eyespot, Strawbreaker	Oa
<i>Oculimacula yallundae</i> (anamorph <i>Helgardia yallundae</i>)	Eyespot, Strawbreaker	Oy
<i>Puccinia graminis</i> f. sp. <i>tritici</i>	Stem rust	Pgt
<i>Puccinia hordei</i>	Leaf rust, Brown rust	Ph
<i>Puccinia striiformis</i> f. sp. <i>hordei</i>	Stripe rust, Yellow rust, BSR	Psh
<i>Pseudoseptoria donacis</i>	Halo spot	Pd
<i>Ramularia collo-cygni</i>	Ramularia, RCC	Rc
<i>Rhizoctonia solani</i>	Rhizoctonia bare patch, Rhizoctonia root rot	Rso
<i>Rhynchosporium secalis</i>	Rhynchosporium, Leaf blotch, Scald	Rhs
<i>Septoria passerinii</i>	Speckled leaf blotch, Septoria speckled leaf blotch (SSLB)	Sp
<i>Stagonospora avenae</i> f. sp. <i>triticea</i> (teleomorph: <i>Phaeosphaeria avenaria</i> f. sp. <i>triticea</i>)	Speckled leaf blotch, Septoria speckled leaf blotch (SSLB)	Sat
<i>Typhula idahoensis</i>	Speckled snow mold	Tid
<i>Typhula incarnata</i>	Snow rot, Gray snow mold, Typhula blight	Tin
<i>Ustilago hordei</i>	Covered smut	Uh
<i>Ustilago tritici</i>	Loose smut, True loose smut	Ut
Insects		
<i>Schizaphis graminum</i>	Green bug	Sg
Nematodes		
<i>Heterodera avenae</i>	Cereal cyst nematode	Ha
3. Secale cereale (Rye)		
Scientific name	English common name(s)	Code
Viruses		
<i>Barley yellow dwarf virus</i>	Barley yellow dwarf virus	BYDV
<i>Wheat soil-borne mosaic virus</i>	Soil-borne wheat green mosaic virus, Wheat mosaic virus	SBWMV
Fungi		
<i>Bipolaris sorokiniana</i> (teleomorph: <i>Cochliobolus sativus</i>)	Spot blotch, Leaf blotch	Bs
<i>Blumeria graminis</i> f. sp. <i>secalis</i> (anamorph: <i>Oidium monilioides</i>)	Powdery mildew	Bgs
<i>Claviceps purpurea</i> (anamorph: <i>Sphacelia segetum</i>)	Ergot	Cp
<i>Gaeumannomyces graminis</i>	Take-all	Gg
<i>Oculimacula acuformis</i> (anamorph: <i>Helgardia acuformis</i>)	Eyespot, Strawbreaker	Oa
<i>Oculimacula yallundae</i> (anamorph: <i>Helgardia yallundae</i>)	Eyespot, Strawbreaker	Oy
<i>Phaeosphaeria nodorum</i> (anamorph: <i>Stagonospora nodorum</i>)	Septoria nodorum, Stagonospora blotch, Glume blotch	Pn
<i>Puccinia recondita</i> (anamorph: <i>Aecidium clematidis</i>)	Leaf rust, Brown rust	Pr
<i>Rhynchosporium secalis</i>	Rhynchosporium Leaf blotch, Scald	Rs
<i>Urocystis occulta</i>	Stem smut, Stalk smut, Stripe smut	Uo
<i>Ustilago tritici</i>	Loose smut	Ut
Nematodes		

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<i>Heterodera avenae</i>	Cereal cyst nematode, CCN	Ha
4. Triticum spp. (Wheat)		
Scientific name	English common name(s)	Code
Viruses		
<i>Barley yellow dwarf virus</i>	Barley yellow dwarf	BYDV
<i>Wheat soil-borne mosaic virus</i>	Soil-borne wheat green mosaic virus, Wheat mosaic virus	SBWMV
<i>Wheat dwarf virus</i>	Wheat dwarf virus	WDV
<i>Wheat streak mosaic virus</i>	Wheat streak mosaic virus	WSMV
<i>Wheat spindle streak mosaic virus</i>	Wheat spindle streak mosaic virus	WSSMV
Bacteria		
<i>Pseudomonas syringae</i> pv. <i>atrovaciens</i>	Basal glume rot	Psa
<i>Pseudomonas syringae</i> pv. <i>syringae</i>	Bacterial leaf blight	Pss
<i>Xanthomonas campestris</i> pv. <i>translucens</i>	Bacterial leaf streak, Black chaff, Bacterial stripe	Xct
<i>Xanthomonas translucens</i> pv. <i>undulosa</i>	Bacterial leaf streak, BLS, Black chaff, Bacterial stripe	Xtu
Fungi		
<i>Alternaria alternata</i>	Sooty moulds, Black head molds	Aa
<i>Alternaria infectoria</i>	Sooty moulds, Black head molds	Ai
<i>Alternaria triticina</i>	Sooty moulds, Black head molds	At
<i>Bipolaris sorokiniana</i> (teleomorph: <i>Cochliobolus sativus</i>)	Common root rot, CRR, <i>Cochliobolus</i> root rot	Bs
<i>Blumeria graminis</i> f. sp. <i>tritici</i> (anamorph: <i>Oidium monilioides</i>)	Powdery mildew	Bgt
<i>Cladosporium herbarum</i> (teleomorph: <i>Mycosphaerella tassiana</i>)	Sooty moulds, Black head molds	Ch
<i>Claviceps purpurea</i> (anamorph: <i>Sphacelia segetum</i>)	Ergot	Cp
<i>Fusarium avenaceum</i> (teleomorph: <i>Gibberella avenacea</i>)	Brown foot rot, Fusarium foot rot, Fusarium head blight (FHB), Scab, Fusarium ear blight, Seedling blight	Fa
<i>Fusarium culmorum</i>	Brown foot rot, Fusarium foot rot, Fusarium head blight (FHB), Scab, Fusarium ear blight, Dryland root rot	Fc
<i>Fusarium graminearum</i> (teleomorph: <i>Gibberella zeae</i>)	Brown foot rot, Fusarium foot rot, Fusarium head blight (FHB), Scab, Fusarium ear blight, Dryland foot rot	Fg
<i>Fusarium langsethiae</i>	Fusarium head blight (FHB), Scab, Fusarium ear blight	Fl
<i>Fusarium poae</i>	Fusarium head blight (FHB), Scab, Fusarium ear blight	Fpo
<i>Fusarium pseudograminearum</i>	Foot rot	Fps
<i>Gaeumannomyces graminis</i>	Take-all	Gg
<i>Hymenula cerealis</i>	Cephalosporium stripe	Hc
<i>Microdochium nivale</i> var. <i>majus</i> (teleomorph: <i>Monographella nivalis</i>)	Brown foot rot, Fusarium foot rot, Fusarium head blight (FHB), Scab, Fusarium ear blight, Fusarium seedling blight	Mnm
<i>Microdochium nivale</i> var. <i>nivale</i> (teleomorph: <i>Monographella nivalis</i>)	Brown foot rot, Fusarium foot rot, Fusarium head blight (FHB), Scab, Fusarium ear blight, Fusarium seedling blight	Mnn
<i>Mycosphaerella graminicola</i> (anamorph: <i>Septoria tritici</i>)	<i>Septoria tritici</i> , <i>Septoria tritici</i> leaf blotch, <i>Septoria</i> blotch, STB	Mg
<i>Oculimacula acuformis</i> (anamorph: <i>Helgardia</i>)	Eyespot, Strawbreaker	Oa

<i>acuformis</i>		
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<i>Oculimacula yallundae</i> (anamorph: <i>Helgardia yallundae</i>)	Eyespot, Strawbreaker	Oy
<i>Phaeosphaeria nodorum</i> (anamorph: <i>Stagonospora nodorum</i>)	Septoria nodorum, Stagonospora blotch, Glume blotch	Pn
<i>Puccinia graminis</i> f. sp. <i>tritici</i>	Black rust, Stem rust	Pgt
<i>Puccinia striiformis</i> f. sp. <i>tritici</i>	Stripe rust, Yellow rust	Pst
<i>Puccinia triticina</i>	Leaf rust, Brown rust	Pt
<i>Pyrenophora tritici-repentis</i> (anamorph: <i>Drechslera tritici-repentis</i>)	Tan spot, Yellow leaf spot, DTR	Ptr
<i>Rhizoctonia cerealis</i>	Sharp eyespot	Rc
<i>Tilletia caries</i>	Common bunt, Stinking smut	Tca
<i>Tilletia controversa</i>	Dwarf bunt	Tco
<i>Tilletia indica</i>	Karnal bunt	Ti
<i>Tilletia laevis</i>	Common bunt, Stinking smut	TI
<i>Urocystis agropyri</i>	Flag smut	Ua
<i>Ustilago tritici</i>	Loose smut	Ut
Nematodes		
<i>Heterodera avenae</i>	Cereal cyst nematode, CCN	Ha



International Seed Federation