

Recommended Codes for Pest Organisms in Cereal and Vegetable Crops

July 2009
Subject to regular review

Adopted by the Working Group established by the ISF Vegetable & Ornamental and Cereal Crops Sections

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1. *Abelmoschus esculentus* (Okra)

Scientific name	English common name	Code
Viruses:		
Okra yellow vein mosaic begomovirus	Okra yellow vein mosaic	OYVMV
Insects		
<i>Amarasca biguttula</i>	Leaf hopper	Ab

2. *Alliums* - *A. ampeloprasum* and *A. cepa* (Leek and Onion)

Scientific name	English common name	Code
Viruses:		
Leek yellow stripe potyvirus	Leek yellow stripe	LYSV
Bacteria		
<i>Pseudomonas syringae</i> pv. <i>porri</i>	Pseudomonas leek blight	Psp
Fungi:		
<i>Alternaria porri</i>	Purple blotch	Ap
<i>Botrytis allii</i>	Botrytis neck rot	Ba
<i>Botrytis squamosa</i>	Botrytis leaf blight	Bs
<i>Colletotrichum gloeosporioides</i>	Twister	Cg
<i>Fusarium oxysporum</i> f.sp. <i>cepae</i>	Basal rot	Foc
<i>Peronospora destructor</i>	Downy mildew	Pd
<i>Phytophthora porri</i>	White tip of leek	Pp
<i>Puccinia allii</i>	Rust	Pa
<i>Pyrenochaeta terrestris</i>	Pink root	Pt
<i>Sclerotium cepivorum</i>	White rot	Sc
Insects		
<i>Thrips tabaci</i>	Onion thrips	Tt
Nematodes		
<i>Ditylenchus dipsaci</i>	Stem and bulb nematode	Dd

3. *Apium graveolens* (Celery and Celeriac)

Scientific name	English common name	Code
Viruses:		
Celery mosaic potyvirus	Celery mosaic	CeMV
Bacteria:		
<i>Psuedomonas syringae</i> pv. <i>apii</i>	Bacterial leaf spot	Psa
Fungi:		
<i>Fusarium oxysporum</i> f.sp. <i>apii</i>	Fusarium yellows and wilt	Foa
<i>Septoria apiicola</i>	Late blight	Sa

4. *Avena sativa* (Oats)

Scientific name	English common name(s)	Code
Viruses:		
Barley yellow dwarf luteovirus	Barley yellow dwarf virus	BYDV
Oat golden stripe furovirus	Oat chlorotic stripe virus, oat tubular virus, soil-borne oat stripe virus	OGSV

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Oat mosaic bymovirus	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

5. Benincasa hispida (Wax gourd)

Scientific name	English common name	Code
Fungi:		
<i>Fusarium oxysporum</i> f.sp. <i>lagenariae</i>	Fusarium wilt	Fol
<i>Fusarium oxysporum</i> f.sp. <i>niveum</i>	Fusarium wilt	Fon

6. Brassicas (Cabbage, Broccoli, Cauliflower, Chinese cabbage...)

Scientific name	English common name	Code
Viruses:		
Cauliflower mosaic caulimovirus	Cauliflower mosaic	CaMV
Turnip mosaic potyvirus	Turnip mosaic	TuMV
Bacteria:		
<i>Pseudomonas syringae</i> pv. <i>maculicola</i>	Bacterial leaf spot, Peppery leaf spot	Psm
<i>Xanthomonas campestris</i> pv. <i>armoraciae</i>	Leaf spot	Xca
<i>Xanthomonas campestris</i> pv. <i>campestris</i>	Black rot	Xcc
Fungi:		
<i>Albugo candida</i>	White rust	Ac
<i>Albugo macrospora</i>	White rust	Am
<i>Alternaria brassicae</i>	Black spot	Abe
<i>Alternaria brassicicola</i>	Black spot	Aba
<i>Alternaria japonica</i>	Black spot	Aj
<i>Erysiphe cruciferarum</i>	Powdery mildew	Ec
<i>Fusarium oxysporum</i> f.sp. <i>conglutinans</i>	Fusarium yellows	Foc
<i>Mycosphaerella brassicicola</i>	Ring spot	Mb
<i>Leptosphaeria maculans</i> (anamorph: <i>Phoma lingam</i>)	Black leg	Lm
<i>Peronospora parasitica</i>	Downy mildew	Pp
<i>Plasmodiophora brassicae</i>	Clubroot	Pb
<i>Verticillium albo-atrum</i>	Verticillium wilt	Va
<i>Verticillium dahliae</i>	Verticillium wilt	Vd

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<i>Verticillium longisporum</i>	Verticillium wilt	VI
Insects:		
<i>Brevicoryne brassicae</i>	Cabbage aphid	Bb
<i>Plutella xylostella</i>	Diamond back moth	Px
<i>Thrips tabaci</i>	Thrips	Tt

7. *Capsicum annuum* (Pepper)

Scientific name	English common name	Code
Viruses:		
Chilli veinal mosaic potyvirus	Chilli veinal mosaic	ChiVMV
Cucumber mosaic cucumovirus	Cucumber mosaic	CMV
Pepper mild mottle tobamovirus	Pepper mild mottle	PMMoV
Pepper mottle potyvirus	Pepper mottle	PepMoV
Pepper yellow mosaic potyvirus	Pepper yellow mosaic	PepYMV
Potato Y potyvirus	Potato Y	PVY
Tobacco etch potyvirus	Tobacco etch	TEV
Tobacco mild green mosaic tobamovirus	Tobacco mild green mosaic	TMGMV
Tobacco mosaic tobamovirus	Tobacco mosaic	TMV
Tomato mosaic tobamovirus	Tomato mosaic	ToMV
Tomato spotted wilt tospovirus	Tomato spotted wilt	TSWV
Bacteria:		
<i>Ralstonia solanacearum</i>	Bacterial wilt	Rs
<i>Xanthomonas campestris</i> pv. <i>vesicatoria</i>	Bacterial spot	Xcv
Fungi:		
<i>Fusarium oxysporum</i> f.sp. <i>capsici</i>	Fusarium wilt	Foc
<i>Leveillula taurica</i> (anamorph: <i>Oidiopsis sicula</i>)	Powdery mildew	Lt
<i>Phytophthora capsici</i>	Buckeye fruit and root rot	Pc
Nematodes:		
<i>Meloidogyne arenaria</i>	Root-knot	Ma
<i>Meloidogyne incognita</i>	Root-knot	Mi
<i>Meloidogyne javanica</i>	Root-knot	Mj

8. *Citrullus lanatus* (Watermelon)

Scientific name	English common name	Code
Viruses:		
Cucumber green mottle mosaic tobamovirus	Cucumber green mottle mosaic	CGMMV
Cucumber vein yellowing ipomovirus	Cucumber vein yellowing	CVYV
Cucumber mosaic cucumovirus	Cucumber mosaic	CMV
Papaya ringspot potyvirus	Papaya ringspot	PRSV
Watermelon mosaic potyvirus	Watermelon mosaic	WMV
Zucchini yellow mosaic potyvirus	Zucchini yellow mosaic	ZYMV
Bacteria:		
<i>Acidovorax avenae</i> subsp. <i>citrulli</i>	Bacterial fruit blotch	Aac
Fungi:		
<i>Colletotrichum orbiculare</i>	Anthracnose	Co
<i>Didymella bryoniae</i>	Gummy stem blight	Db

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<i>Fusarium oxysporum</i> f.sp. <i>niveum</i>	Fusarium wilt	Fon
¹ <i>Sphaerotheca fuliginea</i> (now <i>Podosphaera xanthii</i>)	Powdery mildew	Sf (now Px)

9. Cucumis melo (Melon)

Scientific name	English common name	Code
Viruses:		
Cucumber green mottle mosaic tobamovirus	Cucumber green mottle	CGMMV
Cucumber mosaic cucumovirus	Cucumber mosaic	CMV
Cucumber vein yellowing ipomovirus	Cucumber vein yellowing	CVYV
Cucurbit yellow stunting disorder virus	Cucurbit yellow stunting disorder	CYSDV
Melon necrotic spot carmovirus	Melon necrotic spot	MNSV
Papaya ringspot potyvirus	Papaya ringspot	PRSV
Squash mosaic comovirus	Squash mosaic comovirus	SqMV
Watermelon mosaic potyvirus	Watermelon mosaic	WMV
Zucchini yellow mosaic potyvirus	Zucchini yellows	ZYMV
Bacteria:		
<i>Acidovorax avenae</i> subsp. <i>citrulli</i>	Bacterial fruit blotch	Aac
Fungi:		
<i>Didymella bryoniae</i>	Gummy stem blight	Db
¹ <i>Erysiphe cichoracearum</i> (now <i>Golovinomyces cichoracearum</i>)	Powdery mildew	Ec (now Gc)
<i>Fusarium oxysporum</i> f.sp. <i>melonis</i>	Fusarium wilt	Fom
<i>Pseudoperonospora cubensis</i>	Downy mildew	Pcu
¹ <i>Sphaerotheca fuliginea</i> (now <i>Podosphaera xanthii</i>)	Powdery mildew	Sf (now Px)
Insects:		
<i>Aphis gossypii</i>	Cotton aphid	Ag

10. Cucumis sativus (Cucumber)

Scientific name	English common name	Code
Viruses:		
Beet pseudo yellowing virus	Beet pseudo yellows virus	BPYV
Cucumber green mottle mosaic tobamovirus	Cucumber green mottle	CGMMV
Cucumber mosaic cucumovirus	Cucumber mosaic	CMV
Cucumber vein yellowing ipomovirus	Cucumber vein yellowing	CVYV
Cucurbit yellow stunting disorder crinivirus	Cucurbit yellow stunting disorder	CYSDV
Kyuri green mottle mosaic tobamovirus	Cucumber green mottle	KGMMV
Papaya ringspot potyvirus	Papaya ringspot	PRSV
Watermelon mosaic potyvirus	Watermelon mosaic	WMV
Zucchini yellow mosaic potyvirus	Zucchini yellows	ZYMV
Bacteria:		
<i>Erwinia tracheiphila</i>	Bacterial wilt	Et
<i>Pseudomonas syringae</i> pv. <i>lachrymans</i>	Angular leaf spot	Psl

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Fungi:		
<i>Cladosporium cucumerinum</i>	Scab and gummosis	Ccu
<i>Colletotrichum orbiculare</i>	Anthracnose	Co
<i>Corynespora cassiicola</i>	Corynespora blight and target spot	Cca
<i>Didymella bryoniae</i>	Gummy stem blight	Db
¹ <i>Erysiphe cichoracearum</i> (now <i>Golovinomyces cichoracearum</i>)	Powdery mildew	Ec (now Gc)
<i>Fusarium oxysporum</i> f.sp. <i>cucumerinum</i>	Fusarium wilt	Foc
<i>Fusarium oxysporum</i> f.sp. <i>radicis-cucumerinum</i>	Fusarium crown and root rot	For
<i>Fusarium solani</i> f.sp. <i>cucurbitae</i>	Crown and root rot	Fsc
<i>Pseudoperonospora cubensis</i>	Downy mildew	Pcu
¹ <i>Sphaerotheca fuliginea</i> (now <i>Podosphaera xanthii</i>)	Powdery mildew	Sf (now Px)

11. Cucurbita pepo, C. maxima, C. moschata (Squash and pumpkin)

Scientific name	English common name	Code
Viruses:		
Cucumber green mottle mosaic tobamovirus	Cucumber green mottle mosaic	CGMMV
Cucumber mosaic cucumovirus	Cucumber mosaic	CMV
Luffa yellow mosaic begomovirus	Luffa yellow mosaic	LYMV
Papaya ringspot potyvirus	Papaya ringspot	PRSV
Squash mosaic comovirus	Squash mosaic	SqMV
Watermelon mosaic potyvirus	Watermelon mosaic	WMV
Watermelon morocconmosaic potyvirus	Moroccan watermelon mosaic	MWMV
Zucchini yellow mosaic potyvirus	Zucchini yellows	ZYMV
Bacteria:		
<i>Acidovorax avenae</i> subsp. <i>citrulli</i>	Bacterial fruit blotch	Aac
Fungi:		
<i>Didymella bryoniae</i>	Gummy stem blight	Db
¹ <i>Erysiphe cichoracearum</i> (now <i>Golovinomyces cichoracearum</i>)	Powdery mildew	Ec (now Gc)
<i>Fusarium oxysporum</i> f.sp. <i>cucumerinum</i>	Fusarium wilt	Foc
<i>Fusarium oxysporum</i> f.sp. <i>lagenariae</i>	Fusarium wilt	Fol
<i>Fusarium oxysporum</i> f.sp. <i>melonis</i>	Fusarium wilt	Fom
<i>Fusarium oxysporum</i> f.sp. <i>niveum</i>	Fusarium wilt	Fon
<i>Fusarium solani</i> f.sp. <i>cucurbitae</i>	Crown and root rot	Fsc
<i>Phomopsis sclerotioides</i>	Black root rot	Ps
<i>Pythium aphanidermatum</i>	Damping off , Pythium fruit rot (cotony leak)	Pa
<i>Phytophthora capsici</i>	Phytophthora crown and root rot	Pc
<i>Pseudoperonospora cubensis</i>	Downy mildew	Pcu
¹ <i>Sphaerotheca fuliginea</i> (now <i>Podosphaera xanthii</i>)	Powdery mildew	Sf (now Px)

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12. *Daucus carota* var. *sativa* (Carrot)

Scientific name	English common name	Code
Bacteria:		
<i>Xanthomonas hortorum</i> pv. <i>carotae</i> (ex <i>X. campestris</i> pv. <i>carotae</i>)	Bacterial leaf blight	Xhc (ex Xcc)
Fungi:		
<i>Alternaria dauci</i>	Alternaria leaf blight	Ad
<i>Alternaria radicina</i>	Black rot	Ar
<i>Cercospora carotae</i>	Cercospora leaf blight	Cc
<i>Erysiphe heraclei</i>	Powdery mildew	Eh
<i>Pythium sulcatum</i>	Cavity spot	Ps
<i>Pythium ultimum</i>	Cavity spot	Pu
<i>Pythium violae</i>	Cavity spot	Pv
Insects:		
<i>Psila rosae</i>	Carrot fly	Pr
Nematodes:		
<i>Meloidogyne incognita</i>	Root-knot	Mi
<i>Meloidogyne javanica</i>	Root-knot	Mj

13. *Hordeum vulgare* (Barley)

Scientific name	English common name(s)	Code
Viruses:		
Barley mild mosaic bymovirus	Barley mild mosaic	BaMMV
Barley yellow dwarf luteovirus	Barley yellow dwarf	BYDV
Barley yellow mosaic bymovirus	Barley yellow mosaic	BaYMV
Bacteria:		
<i>Pseudomonas syringae</i> pv. <i>atofaciens</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
<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</i>)	Eyespot, Strawbreaker	Oy

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<i>yallundae)</i>		
<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>	Greenbug	Sg
Nematodes:		
<i>Heterodera avenae</i>	Cereal cyst nematode	Ha

14. *Lactuca sativa* (Lettuce)

Scientific name	English common name	Code
Viruses:		
Beet western yellows luteovirus	Yellows	BWYV
Cucumber mosaic cucumovirus	Cucumber mosaic	CMV
Lettuce necrotic stunt tobusvirus	Lettuce die-back	LNSV
Lettuce mosaic potyvirus	Lettuce mosaic	LMV
Mirafiori lettuce big-vein ophiovirus	Lettuce big vein	MLBVV
Tomato bushy stunt tobusvirus	Lettuce die-back	TBSV
Tomato spotted wilt tospovirus	Spotted wilt	TSWV
Bacteria:		
<i>Pseudomonas cichorii</i>	Bacterial rot	Pc
¹ <i>Rhizomonas suberifaciens</i> (now <i>Sphingomonas suberifaciens</i>)	Corky root	Rs (now Ss)
<i>Xanthomonas campestris</i> pv. <i>vitians</i>	Bacterial spot	Xcv
Fungi:		
<i>Bremia lactucae</i>	Downy mildew	Bl
<i>Fusarium oxysporum</i> f.sp. <i>lactucae</i>	Fusarium wilt	Fol
<i>Microdochium panattonianum</i>	Anthrachnose	Mpa
Insects:		
<i>Macrosiphum euphorbiae</i>	Potato aphid	Me

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<i>Myzus persicae</i>	Green peach aphid	Mpe
<i>Nasonovia ribisnigri</i>	Lettuce leaf aphid	Nr
<i>Pemphigus bursarius</i>	Lettuce root aphid	Pb

15. *Lagenaria siceraria* (Bottle gourd)

Scientific name	English common name	Code
Viruses:		
Cucumber green mottle tobamovirus	Cucumber green mottle	CGMMV
Fungi:		
<i>Fusarium oxysporum</i> f.sp. <i>lagenariae</i>	Fusarium wilt	Fol
<i>Fusarium oxysporum</i> f.sp. <i>niveum</i>	Fusarium wilt	Fon

16. *Lycopersicon esculentum* (Tomato)

Scientific name	English common name	Code
Viruses:		
Beet curly top curtovirus	Curly top	BCTV
Cucumber mosaic cucumovirus	Cucumber mosaic	CMV
Pepino mosaic potexvirus	Pepino mosaic virus	PepMV
Tobacco mosaic tobamovirus	Tobacco mosaic	TMV
Tomato apex necrotic virus	Tomato apex necrotic virus	ToANV
Tomato mosaic tobamovirus	Tomato mosaic	ToMV
Tomato torrado virus	Tomato torrado virus	ToTV
Tomato spotted wilt tospovirus	Tomato spotted wilt	TSWV
Tomato yellow leaf curl begomovirus	Tomato yellow leaf curl	TYLCV
Bacteria:		
<i>Clavibacter michiganensis</i> subsp. <i>michiganensis</i>	Bacterial canker	Cmm
<i>Pseudomonas corrugata</i>	Pith necrosis	Pc
<i>Pseudomonas syringae</i> pv. <i>tomato</i>	Bacterial speck	Pst
<i>Ralstonia solanacearum</i>	Bacterial wilt	Rs
<i>Xanthomonas campestris</i> pv. <i>vesicatoria</i>	Bacterial spot	Xcv
Fungi:		
<i>Alternaria alternata</i> f.sp. <i>lycopersici</i>	Alternaria stem canker	Aal
<i>Alternaria solani</i>	Early blight	As
<i>Corynespora cassiicola</i>	Target spot	Cc
<i>Fulvia fulva</i> (ex <i>Cladosporium fulvum</i>)	Leaf mold	Ff (ex Cf)
<i>Fusarium oxysporum</i> f.sp. <i>lycopersici</i>	Fusarium wilt	Fol
<i>Fusarium oxysporum</i> f.sp. <i>radicis-lycopersici</i>	Fusarium crown and root rot	For
<i>Leveillula taurica</i> (anamorph: <i>Oidiopsis sicula</i>)	Powdery mildew	Lt
<i>Oidium neolycopersici</i> (ex <i>Oidium lycopersicum</i>)	Powdery mildew	On (ex Ol)
<i>Phytophthora infestans</i>	Late blight	Pi
<i>Phytophthora parasitica</i>	Buckeye fruit and root rot	Pp
<i>Pyrenochaeta lycopersici</i>	Corky root rot	Pl
<i>Stemphylium botryosum</i> f.sp. <i>lycopersici</i>	Gray leaf spot	Sbl
<i>Stemphylium lycopersici</i>	Gray leaf spot	Sl
<i>Stemphylium solani</i>	Gray leaf spot	Ss

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<i>Verticillium albo-atrum</i>	Verticillium wilt	Va
<i>Verticillium dahliae</i>	Verticillium wilt	Vd
Nematodes:		
<i>Meloidogyne arenaria</i>	Root-knot	Ma
<i>Meloidogyne incognita</i>	Root-knot	Mi
<i>Meloidogyne javanica</i>	Root-knot	Mj

17. *Phaseolus vulgaris* (Dwarf and climbing French bean)

Scientific name	English common name	Code
Viruses:		
Bean common mosaic potyvirus	Bean common mosaic	BCMV
Bean common mosaic necrosis potyvirus	Bean common mosaic necrosis	BCMNV
Beet curly top curtovirus	Beet curly top	BCTV
Bean golden mosaic begomovirus	Bean golden mosaic	BGMV
Bean golden yellow mosaic begomovirus	Bean golden yellow mosaic	BGYMV
Beet mild curly top curtovirus	Mild curly top	BMCTV
Beet severe curly top curtovirus	Severe curly top	BSCTV
Bean yellow disorder virus	Bean yellow disorder virus	BnYDV
Bean yellow mosaic potyvirus	Bean yellow mosaic	BYMV
Southern bean mosaic virus	Bean southern virus	SBMV
Cucumber mosaic cucumovirus	Cucumber virus	CMV
Bacteria:		
<i>Pseudomonas savastanoi</i> pv. <i>phaseolicola</i>	Halo blight	Psp
<i>Pseudomonas syringae</i> pv. <i>syringae</i>	Bacterial brown spot	Pss
<i>Xanthomonas axonopodis</i> pv. <i>phaseoli</i>	Common or fuscous blight	Xap
Fungi:		
<i>Aphanomyces euteiches</i>	Root rot	Ae
<i>Colletotrichum lindemuthianum</i>	Anthraxnose	Cl
<i>Fusarium oxysporum</i> f.sp. <i>phaseoli</i>	Fusarium wilt	Fop
<i>Fusarium solani</i> f.sp. <i>phaseoli</i>	Fusarium root rot	Fsp
<i>Sclerotinia sclerotiorum</i>	White mold	Ss
<i>Uromyces appendiculatus</i>	Rust	Ua

18. *Pisum sativum* (Garden pea)

Scientific name	English common name	Code
Viruses:		
Bean leaf roll luteovirus	Pea leaf roll, pea top yellows	BLRV
Bean yellow mosaic potyvirus	Bean yellow mosaic	BYMV
Pea enation mosaic enamovirus	Pea enation mosaic	PEMV
Pea seed-borne mosaic potyvirus	Pea seed-borne mosaic	PSbMV
Bacteria:		
<i>Pseudomonas syringae</i> pv. <i>pisi</i>	Bacterial blight	Psp
Fungi:		
<i>Aphanomyces euteiches</i>	Aphanomyces root rot	Ae
<i>Ascochyta pisi</i>	Ascochyta leaf and pod spot	Aps
<i>Ascochyta pinodella</i>	Leaf spot and foot rot	Apn

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<i>Botrytis cinerea</i>	Grey mold	Bc
<i>Erysiphe pisi</i>	Powdery mildew	Ep
<i>Fusarium oxysporum</i> f.sp. <i>pisi</i>	Near wilt	Fop
<i>Fusarium solani</i>	Fusarium root rot	Fs
<i>Mycosphaerella pinodes</i>	Ascochyta blight	Mp
<i>Peronospora viciae</i>	Downy mildew	Pv

19. *Raphanus sativus* (Radish)

Scientific name	English common name	Code
Viruses:		
Turnip mosaic potyvirus	Turnip mosaic	TuMV
Bacteria:		
<i>Pseudomonas syringae</i> pv. <i>maculicola</i>	Bacterial leaf spot, Peppery leaf spot	Psm
<i>Xanthomonas campestris</i> pv. <i>campestris</i>	Black rot	Xcc
Fungi:		
<i>Alternaria brassicae</i>	Black spot	Abe
<i>Alternaria brassicicola</i>	Black spot	Aba
<i>Alternaria japonica</i>	Black spot	Aj
<i>Aphanomyces raphani</i>	Black root	Ar
<i>Fusarium oxysporum</i> f.sp. <i>raphani</i>	Yellows	For
<i>Peronospora parasitica</i>	Downy mildew	Pp
<i>Plasmodiophora brassicae</i>	Clubroot	Pb
<i>Rhizoctonia solani</i>	Rhizoctonia scurf	Rs

20. *Secale cereale* (Rye)

Scientific name	English common name(s)	Code
Viruses:		
Barley yellow dwarf luteovirus	Barley yellow dwarf virus	BYDV
Wheat soil-borne mosaic furovirus	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
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21. *Solanum melongena* (Eggplant/Aubergine)

Scientific name	English common name	Code
Viruses:		
Tomato mosaic tobamovirus	Tomato mosaic	ToMV
Tomato spotted wilt tospovirus	Tomato spotted wilt	TSWV
Bacteria:		
<i>Ralstonia solanacearum</i>	Bacterial wilt	Rs
Fungi:		
<i>Fusarium oxysporum</i> f.sp. <i>melongenae</i>	Fusarium wilt	Fom
<i>Verticillium albo-atrum</i>	Verticillium wilt	Va
<i>Verticillium dahliae</i>	Verticillium wilt	Vd
Nematodes:		
<i>Meloidogyne incognita</i>	Root-knot	Mi

22. *Spinacia oleracea* (Spinach)

Scientific name	English common name	Code
Viruses:		
Cucumber mosaic cucumovirus	Cucumber mosaic	CMV
Fungi:		
<i>Albugo occidentalis</i>	White rust	Ao
<i>Cladosporium variabile</i>	Leaf spot	Cv
<i>Fusarium oxysporum</i> f.sp. <i>spinaciae</i>	Fusarium wilt	Fos
<i>Peronospora farinosa</i> f.sp. <i>spinaciae</i>	Downy mildew	Pfs

23. *Triticum* spp. (Wheat)

Scientific name	English common name(s)	Code
Viruses:		
Barley yellow dwarf luteovirus	Barley yellow dwarf	BYDV
Wheat soil-borne mosaic furovirus	Soil-borne wheat green mosaic virus, Wheat mosaic virus	SBWMV
Wheat dwarf monogeminivirus	Wheat dwarf virus	WDV
Wheat streak mosaic rymovirus	Wheat streak mosaic virus	WSMV
Wheat spindle streak mosaic bymovirus	Wheat spindle streak mosaic virus	WSSMV
Bacteria:		
<i>Pseudomonas syringae</i> pv. <i>atofaciens</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

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<i>Alternaria triticina</i>	Sooty moulds, Black head molds	At
<i>Bipolaris sorokiniana</i> (teleomorph: <i>Cochliobolus sativus</i>)	Common root rot, CRR, Cochliobolus 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>)	Septoria tritici, Septoria tritici leaf blotch, Septoria blotch, STB	Mg
<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 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

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24. *Valerianella locusta* (Corn salad)

Scientific name	English common name	Code
Fungi:		
<i>Peronospora valerianellae</i>	Downy mildew	Pv
<i>Phoma valerianellae</i>	Damping off	Phv

25. *Zea mays* (Sweet corn)

Scientific name	English common name	Code
Viruses:		
Maize dwarf mosaic potyvirus	Maize dwarf mosaic	MDMV
Sugarcane mosaic potyvirus	Sugarcane mosaic	SMV
Bacteria:		
<i>Pantoea stewartii</i>	Stewart's wilt	Pst
Fungi:		
<i>Bipolaris maydis</i>	Southern corn leaf blight	Bm
<i>Exserohilum turcicum</i>	Northern leaf blight	Et
<i>Puccinia polysora</i>	Southern rust	Pp
<i>Puccinia sorghi</i>	Common rust	Ps
<i>Ustilago maydis</i>	Common smut	Um