

# Recommended Codes for Pest Organisms in Vegetable Crops

(with common names of diseases in Spanish<sup>1</sup>)

Adopted by the Working Group established by the ISF Vegetable and  
Ornamental Crops Section

July 2009

Subject to regular review<sup>2</sup>

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<sup>1</sup> The disease names in Spanish are those that are commonly used by seed companies in Spain. They are also to be found in "Patógenos de plantas descritos en España" of the Ministerio de agricultura, pesca y alimentación. Some diseases have no common names in Spanish.

<sup>2</sup> In case of comments, please contact the ISF secretariat at [isf@worldseed.org](mailto:isf@worldseed.org)

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**1. *Abelmoschus esculentus* (Okra)**

Scientific name	English common name	Spanish common name	Code
<b>Viruses:</b>			
Okra yellow vein mosaic begomovirus	Okra yellow vein mosaic	Minador	OYVMV
<b>Insects</b>			
<i>Amarasca biguttula</i>	Leaf hopper	Virus del moteado amarillo de la okra	Ab

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

Scientific name	English common name	Spanish common name	Code
<b>Viruses:</b>			
Leek yellow stripe potyvirus	Leek yellow stripe		LYSV
<b>Bacteria</b>			
<i>Pseudomonas syringae</i> pv. <i>porri</i>	Pseudomonas leek blight	Marchitez bacteriana	Psp
<b>Fungi:</b>			
<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	Enrollado	Cg
<i>Fusarium oxysporum</i> f.sp. <i>cepa</i>	Basal rot		Foc
<i>Peronospora destructor</i>	Downy mildew	Mildeu de la cebolla	Pd
<i>Phytophthora porri</i>	White tip of leek	Puntas blancas	Pp
<i>Puccinia allii</i>	Rust	Roya	Pa
<i>Pyrenochaeta terrestris</i>	Pink root		Pt
<i>Sclerotium cepivorum</i>	White rot	Podredumbre blanca del ajo	Sc
<b>Insects</b>			
<i>Thrips tabaci</i>	Onion thrips	Trips del tabaco	Tt
<b>Nematodes</b>			
<i>Ditylenchus dipsaci</i>	Stem and bulb nematode	Nemátodo del ajo	Dd

**3. *Apium graveolens* (Celery and Celeriac)**

Scientific name	English common name	Spanish common name	Code
<b>Viruses:</b>			
Celery mosaic potyvirus	Celery mosaic	Virus del mosaico del apio	CeMV
<b>Bacteria:</b>			
<i>Pseudomonas syringae</i> pv. <i>apii</i>	Bacterial leaf spot		Psa
<b>Fungi:</b>			
<i>Fusarium oxysporum</i> f.sp. <i>apii</i>	Fusarium yellows and wilt	Fusarium	Foa
<i>Septoria apicola</i>	Late blight		Sa

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**4. *Benincasa hispida* (Wax gourd)**

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

**5. Brassicas (Cabbage, Broccoli, Cauliflower, Chinese cabbage...)**

Scientific name	English common name	Spanish common name	Code
<b>Viruses:</b>			
Cauliflower mosaic caulimovirus	Cauliflower mosaic	Virus del mosaico de la coliflor	CaMV
Turnip mosaic potyvirus	Turnip mosaic		TuMV
<b>Bacteria:</b>			
<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	Mancha foliar	Xca
<i>Xanthomonas campestris</i> pv. <i>campestris</i>	Black rot	Nervaciones negras de la col	Xcc
<b>Fungi:</b>			
<i>Albugo candida</i>	White rust	Roya blanca	Ac
<i>Albugo macrospora</i>	White rust	Roya blanca	Am
<i>Alternaria brassicae</i>	Black spot	Negrón de las crucíferas	Abe
<i>Alternaria brassicicola</i>	Black spot	Negrón de las crucíferas	Aba
<i>Alternaria japonica</i>	Black spot		Aj
<i>Erysiphe cruciferarum</i>	Powdery mildew	Oidio	Ec
<i>Fusarium oxysporum</i> f.sp. <i>conglutinans</i>	Fusarium yellows		Foc
<i>Mycosphaerella brassicicola</i>	Ring spot	Micosfarela	Mb
<i>Leptosphaeria maculans</i> (anamorph: <i>Phoma lingam</i> )	Black leg	Mildiu	Lm
<i>Peronospora parasitica</i>	Downy mildew	Podredumbre seca de raíz	Pp
<i>Plasmodiophora brassicae</i>	Clubroot	Potra de la col	Pb
<i>Verticillium albo-atrum</i>	Verticillium wilt	Verticillium	Va
<i>Verticillium dahliae</i>	Verticillium wilt	Verticillium	Vd
<i>Verticillium longisporum</i>	Verticillium wilt	Verticillium	VI
<b>Insects:</b>			
<i>Brevicoryne brassicae</i>	Cabbage aphid	Pulgón harinoso de la col	Bb
<i>Plutella xylostella</i>	Diamond back moth	Plutella	Px
<i>Thrips tabaci</i>	Thrips	Thrips	Tt

**6. *Capsicum annuum* (Pepper)**

Scientific name	English common name	Spanish common name	Code
<b>Viruses:</b>			
Chilli veinal mosaic potyvirus	Chilli veinal mosaic	Virus del moteado de las venas del chile	ChiVMV
Cucumber mosaic cucumovirus	Cucumber mosaic	Virus del mosaico del pepino	CMV
Pepper mild mottle tobamovirus	Pepper mild mottle	Virus de moteado atenuado	PMMoV

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		el pimiento	
Pepper mottle potyvirus	Pepper mottle	Virus del moteado del pimiento	PepMoV
Pepper yellow mosaic potyvirus	Pepper yellow mosaic	Virus del mosaico Amarillo de pimiento	PepYMV
Potato Y potyvirus	Potato Y	Virus Y de la patata	PVY
Tobacco etch potyvirus	Tobacco etch		TEV
Tobacco mild green mosaic tobamovirus	Tobacco mild green mosaic	Virus del mosaico verde atenuado del tabaco	TMGMV
Tobacco mosaic tobamovirus	Tobacco mosaic	Virus del mosaico del tabaco	TMV
Tomato mosaic tobamovirus	Tomato mosaic	Virus del mosaico del tomate	ToMV
Tomato spotted wilt tospovirus	Tomato spotted wilt	Virus del bronceado del tomate	TSWV
<b>Bacteria:</b>			
<i>Ralstonia solanacearum</i>	Bacterial wilt	Podredumbre parda de la patata Marchitez bacteriana de las solanáceas	Rs
<i>Xanthomonas campestris</i> pv. <i>vesicatoria</i>	Bacterial spot	Xanthomonas	Xcv
<b>Fungi:</b>			
<i>Fusarium oxysporum</i> f.sp. <i>capsici</i>	Fusarium wilt	Fusarium	Foc
<i>Leveillula taurica</i> (anamorph: <i>Oidiopsis sicula</i> )	Powdery mildew	Oidio	Lt
<i>Phytophthora capsici</i>	Buckeye fruit and root rot	Tristeza del pimiento	Pc
<b>Nematodes:</b>			
<i>Meloidogyne arenaria</i>	Root-knot	Nemátodos	Ma
<i>Meloidogyne incognita</i>	Root-knot	Nemátodos	Mi
<i>Meloidogyne javanica</i>	Root-knot	Nemátodos	Mj

**7. *Citrullus lanatus* (Watermelon)**

Scientific name	English common name	Spanish common name	Code
<b>Viruses:</b>			
Cucumber green mottle mosaic tobamovirus	Cucumber green mottle mosaic		CGMMV
Cucumber mosaic cucumovirus	Cucumber mosaic	Virus del mosaico del pepino	CMV
Cucumber vein yellowing ipomovirus	Cucumber vein yellowing	Virus de las venas amarillas del pepino	CVYV
Papaya ringspot potyvirus	Papaya ringspot	Virus de las manchas anulares de la papaya	PRSV
Watermelon mosaic potyvirus	Watermelon mosaic	Virus del mosaico de la sandía -2	WMV
Zucchini yellow mosaic potyvirus	Zucchini yellow mosaic	Virus del mosaico amarillo del calabacín	ZYMV
<b>Bacteria:</b>			
<i>Acidovorax avenae</i> subsp. <i>citrullii</i>	Bacterial fruit blotch		Aac
<b>Fungi:</b>			
<i>Colletotrichum orbiculare</i>	Anthracoise	Antracnosis	Co
<i>Didymella bryoniae</i>	Gummy stem blight		Db
<i>Fusarium oxysporum</i> f.sp. <i>niveum</i>	Fusarium wilt	Fusarium	Fon

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<sup>3</sup> <i>Sphaerotheca fuliginea</i> (now <i>Podosphaera xanthii</i> )	Powdery mildew	Oidio	Sf (now Px)
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**8. Cucumis melo (Melon)**

Scientific name	English common name	Spanish common name	Code
<b>Viruses:</b>			
Cucumber green mottle mosaic tobamovirus	Cucumber green mottle mosaic		CGMMV
Cucumber mosaic cucumovirus	Cucumber mosaic	Virus del mosaico del pepino	CMV
Cucumber vein yellowing ipomovirus	Cucumber vein yellowing	Virus de las venas amarillas del pepino	CVYV
Cucurbit yellow stunting disorder virus	Cucurbit yellow stunting disorder	Virus del Amarilleo y Enanismo de las cucurbitáceas	CYSDV
Melon necrotic spot carmovirus	Melon necrotic spot	Virus de cribado del melón Virus de las manchas necróticas del melón	MNSV
Papaya ringspot potyvirus	Papaya ringspot	Virus de las manchas anulares de la papaya	PRSV
Squash mosaic comovirus	Squash mosaic comovirus	Virus del Mosaico de la Calabaza	SqMV
Watermelon mosaic potyvirus	Watermelon mosaic	Virus del mosaico de la sandía 2	WMV
Zucchini yellow mosaic potyvirus	Zucchini yellows	Virus del mosaico Amarillo del calabacín	ZYMV
<b>Bacteria:</b>			
<i>Acidovorax avenae</i> subsp. <i>citrulli</i>	Bacterial fruit blotch		Aac
<b>Fungi:</b>			
<i>Didymella bryoniae</i>	Gummy stem blight		Db
<sup>3</sup> <i>Erysiphe cichoracearum</i> (now <i>Golovinomyces cichoracearum</i> )	Powdery mildew	Oidio	Ec (now Gc)
<i>Fusarium oxysporum</i> f.sp. <i>melonis</i>	Fusarium wilt	Fusarium	Fom
<i>Pseudoperonospora cubensis</i>	Downy mildew	Mildiu	Pcu
<sup>1</sup> <i>Sphaerotheca fuliginea</i> (now <i>Podosphaera xanthii</i> )	Powdery mildew	Oidio	Sf (now Px)
<b>Insects:</b>			
<i>Aphis gossypii</i>	Cotton aphid	Pulgón del algodón	Ag

**9. Cucumis sativus (Cucumber)**

Scientific name	English common name	Spanish common name	Code
<b>Viruses:</b>			
Beet pseudo yellowing virus	Beet pseudo yellows virus	Virus del falso Amarilleo de la remolacha	BPYV
Cucumber green mottle mosaic tobamovirus	Cucumber green mottle		CGMMV
Cucumber mosaic cucumovirus	Cucumber mosaic	Virus del mosaico del pepino	CMV
Cucumber vein yellowing ipomovirus	Cucumber vein yellowing	Virus de las venas amarillas del pepino	CVYV

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Cucurbit yellow stunting disorder crinivirus	Cucurbit yellow stunting disorder		CYSDV
Kyuri green mottle mosaic tobamovirus	Cucumber green mottle	Virus del mosaico verde moteado del pepino- cepa pepino; Virus del mosaico verde moteado del pepino- cepa C"	KGMMV
Papaya ringspot potyvirus	Papaya ringspot	Virus de las manchas anulares de la papaya	PRSV
Watermelon mosaic potyvirus	Watermelon mosaic	Virus del mosaico de la sandía 2	WMV
Zucchini yellow mosaic potyvirus	Zucchini yellows	Virus del mosaico Amarillo del calabacín	ZYMV
<b>Bacteria:</b>			
<i>Erwinia tracheiphila</i>	Bacterial wilt	Marchitez bacteriana	Et
<i>Pseudomonas syringae</i> pv. <i>lachrymans</i>	Angular leaf spot	Mancha angular de las cucurbitáceas	Psl
<b>Fungi:</b>			
<i>Cladosporium cucumerinum</i>	Scab and gummosis	Gomosis	Ccu
<i>Colletotrichum orbiculare</i>	Anthracoise	Antracnosis	Co
<i>Corynespora cassiicola</i>	Corynespora blight and target spot		Cca
<i>Didymella bryoniae</i>	Gummy stem blight		Db
<sup>3</sup> <i>Erysiphe cichoracearum</i> (now <i>Golovinomyces cichoracearum</i> )	Powdery mildew	Oidio	Ec (now Gc)
<i>Fusarium oxysporum</i> f.sp. <i>cucumerinum</i>	Fusarium wilt	Fusarium	Foc
<i>Fusarium oxysporum</i> f.sp. <i>radicis-cucumerinum</i>	Fusarium crown and root rot	Fusariosis vascular del pepino	For
<i>Fusarium solani</i> f.sp. <i>cucurbitae</i>	Crown and root rot		Fsc
<i>Pseudoperonospora cubensis</i>	Downy mildew	Mildiu	Pcu
<sup>1</sup> <i>Sphaerotheca fuliginea</i> (now <i>Podosphaera xanthii</i> )	Powdery mildew	Oidio	Sf (now Px)

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

Scientific name	English common name	Spanish common name	Code
<b>Viruses:</b>			
Cucumber green mottle mosaic tobamovirus	Cucumber green mottle mosaic		CGMMV
Cucumber mosaic cucumovirus	Cucumber mosaic	Virus del mosaico del pepino	CMV
Luffa yellow mosaic begomovirus	Luffa yellow mosaic	Virus del mosaico amarillo de la lufa	LYMV
Papaya ringspot potyvirus	Papaya ringspot	Virus de las manchas anulares de la papaya	PRSV
Squash mosaic comovirus	Squash mosaic	Virus del mosaico de la calabaza	SqMV
Watermelon mosaic potyvirus	Watermelon mosaic	Virus del mosaico de la sandía 2	WMV
Watermelon morocconmosaic potyvirus	Moroccan watermelon mosaic	Virus del mosaico marroquí de la sandía	MWMV
Zucchini yellow mosaic potyvirus	Zucchini yellows	Virus del mosaico amarillo del calabacín	ZYMV
<b>Bacteria:</b>			

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<i>Acidovorax avenae</i> subsp. <i>citrulli</i>	Bacterial fruit blotch		Aac
<b>Fungi:</b>			
<i>Didymella bryoniae</i>	Gummy stem blight		Db
<sup>3</sup> <i>Erysiphe cichoracearum</i> (now <i>Golovinomyces cichoracearum</i> )	Powdery mildew	Oidio	Ec (now Gc)
<i>Fusarium oxysporum</i> f.sp. <i>cucumerinum</i>	Fusarium wilt	Fusarium	Foc
<i>Fusarium oxysporum</i> f.sp. <i>lagenariae</i>	Fusarium wilt	Fusarium	Fol
<i>Fusarium oxysporum</i> f.sp. <i>melonis</i>	Fusarium wilt	Fusarium	Fom
<i>Fusarium oxysporum</i> f.sp. <i>niveum</i>	Fusarium wilt	Fusarium	Fon
<i>Fusarium solani</i> f.sp. <i>cucurbitae</i>	Crown and root rot	Fusarium	Fsc
<i>Phomopsis sclerotioides</i>	Black root rot	Podredumbre negra de las raíces	Ps
<i>Pythium aphanidermatum</i>	Damping off , Pythium fruit rot (cottony leak)		Pa
<i>Phytophthora capsici</i>	Phytophthora crown and root rot	Podredumbre de cuello y raíz	Pc
<i>Pseudoperonospora cubensis</i>	Downy mildew	Mildiu de las cucurbitáceas	Pcu
<sup>3</sup> <i>Sphaerotheca fuliginea</i> (now <i>Podosphaera xanthii</i> )	Powdery mildew	Oidio	Sf (now Px)

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

Scientific name	English common name	Spanish common name	Code
<b>Bacteria:</b>			
<i>Xanthomonas hortorum</i> pv. <i>carotae</i> (ex <i>X. campestris</i> pv. <i>carotae</i> )	Bacterial leaf blight		Xhc (ex Xcc)
<b>Fungi:</b>			
<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	Oidio	Eh
<i>Pythium sulcatum</i>	Cavity spot	Pythium	Ps
<i>Pythium ultimum</i>	Cavity spot	Pythium	Pu
<i>Pythium violae</i>	Cavity spot	Pythium	Pv
<b>Insects:</b>			
<i>Psila rosae</i>	Carrot fly		Pr
<b>Nematodes:</b>			
<i>Meloidogyne incognita</i>	Root-knot	Nemátodos	Mi
<i>Meloidogyne javanica</i>	Root-knot	Nemátodos	Mj

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**12. *Lactuca sativa* (Lettuce)**

Scientific name	English common name	Spanish common name	Code
<b>Viruses:</b>			
Beet western yellows luteovirus	Yellows	Virus del amarillo occidental de la remolacha	BWYV
Cucumber mosaic cucumovirus	Cucumber mosaic	Virus del mosaico del pepino	CMV
Lettuce necrotic stunt tobusvirus	Lettuce die-back	Virus del amarilleo necrótico de la lechuga	LNSV
Lettuce mosaic potyvirus	Lettuce mosaic	Virus del mosaico de la lechuga	LMV
Mirafiori lettuce big-vein ophiovirus	Lettuce big vein		MLBVV
Tomato bushy stunt tobusvirus	Lettuce die-back	Virus del enanismo ramificado del tomate	TBSV
Tomato spotted wilt tospovirus	Spotted wilt	Virus del bronceado del tomate	TSWV
<b>Bacteria:</b>			
<i>Pseudomonas cichorii</i>	Bacterial rot		Pc
<sup>3</sup> <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
<b>Fungi:</b>			
<i>Bremia lactucae</i>	Downy mildew	Mildiu	Bl
<i>Fusarium oxysporum</i> f.sp. <i>lactucum</i>	Fusarium wilt	Fusariosis	Fol
<i>Microdochium panattonianum</i>	Anthracoise		Mpa
<b>Insects:</b>			
<i>Macrosiphum euphorbiae</i>	Potato aphid		Me
<i>Myzus persicae</i>	Green peach aphid	Pulgón verde del melocotonero	Mpe
<i>Nasonovia ribisnigri</i>	Lettuce leaf aphid	Pulgón de la lechuga	Nr
<i>Pemphigus bursarius</i>	Lettuce root aphid		Pb

**13. *Lagenaria siceraria* (Bottle gourd)**

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

**14. *Lycopersicon esculentum* (Tomato)**

Scientific name	English common name	Spanish common name	Code
<b>Viruses:</b>			
Beet curly top curtovirus	Curly top	Virus del rizado apical de la remolacha	BCTV
Cucumber mosaic cucumovirus	Cucumber mosaic	Virus del mosaico del pepino	CMV

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Pepino mosaic potexvirus	Pepino mosaic virus	Virus del mosaico del pepino dulce	PepMV
Tobacco mosaic tobamovirus	Tobacco mosaic	Virus del mosaico del tabaco	TMV
Tomato apex necrotic virus	Tomato apex necrotic virus	Virus de la Marchitez del Tomate	ToANV
Tomato mosaic tobamovirus	Tomato mosaic	Virus del mosaico del tomate	ToMV
Tomato torrado virus	Tomato torrado virus	Virus del Torrado del Tomate	ToTV
Tomato spotted wilt tospovirus	Tomato spotted wilt	Virus del bronceado del tomate	TSWV
Tomato yellow leaf curl begomovirus	Tomato yellow leaf curl		TYLCV
<b>Bacteria:</b>			
<i>Clavibacter michiganensis</i> subsp. <i>michiganensis</i>	Bacterial canker	Clavibacter	Cmm
<i>Pseudomonas corrugata</i>	Pith necrosis	Médula hueca del tomate; necrosis medular del tomate	Pc
<i>Pseudomonas syringae</i> pv. <i>tomato</i>	Bacterial speck	Mancha bacteriana o peca del tomate	Pst
<i>Ralstonia solanacearum</i>	Bacterial wilt	Podredumbre parda de la patata Marchitez bacteriana de las solanáceas	Rs
<i>Xanthomonas campestris</i> pv. <i>vesicatoria</i>	Bacterial spot	Xanthomonas	Xcv
<b>Fungi:</b>			
<i>Alternaria alternata</i> f.sp. <i>lycopersici</i>	Alternaria stem canker	Alternaria	Aal
<i>Alternaria solani</i>	Early blight	Tizón temprano del tomate, Alternariosis del tomate	As
<i>Corynespora cassiicola</i>	Target spot	Mancha foliar	Cc
<i>Fulvia fulva</i> (ex <i>Cladosporium fulvum</i> )	Leaf mold	Cladosporium	Ff (ex Cf)
<i>Fusarium oxysporum</i> f.sp. <i>lycopersici</i>	Fusarium wilt	Fusarium	Fol
<i>Fusarium oxysporum</i> f.sp. <i>radicis-lycopersici</i>	Fusarium crown and root rot	Fusarium	For
<i>Leveillula taurica</i> (anamorph: <i>Oidiopsis sicula</i> )	Powdery mildew	Oidio	Lt
<i>Oidium neolycopersici</i> (ex <i>Oidium lycopersicum</i> )	Powdery mildew	Oidio	On (ex Ol)
<i>Phytophthora infestans</i>	Late blight	Mildiu	Pi
<i>Phytophthora parasitica</i>	Buckeye fruit and root rot		Pp
<i>Pyrenochaeta lycopersici</i>	Corky root rot		PI
<i>Stemphylium botryosum</i> f.sp. <i>lycopersici</i>	Gray leaf spot	Mancha gris de la hoja de tomate	Sbl
<i>Stemphylium lycopersici</i>	Gray leaf spot	Mancha gris de la hoja de tomate	Sl
<i>Stemphylium solani</i>	Gray leaf spot	Mancha gris de la hoja de tomate	Ss
<i>Verticillium albo-atrum</i>	Verticillium wilt	Verticillium	Va
<i>Verticillium dahliae</i>	Verticillium wilt	Verticillium	Vd
<b>Nematodes:</b>			
<i>Meloidogyne arenaria</i>	Root-knot	Nemátodos	Ma
<i>Meloidogyne incognita</i>	Root-knot	Nemátodos	Mi
<i>Meloidogyne javanica</i>	Root-knot	Nemátodos	Mj

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

Scientific name	English common name	Spanish common name	Code
<b>Viruses:</b>			
Bean common mosaic potyvirus	Bean common mosaic	Virus del Mosaico común de la judía	BCMV
Bean common mosaic necrosis potyvirus	Bean common mosaic necrosis	Virus del mosaico necrótico común de la judía	BCMNV
Beet curly top curtovirus	Beet curly top		BCTV
Bean golden mosaic begomovirus	Bean golden mosaic	Bean golden mosaic	BGMV
Bean golden yellow mosaic begomovirus	Bean golden yellow mosaic		BGYMV
Beet mild curly top curtovirus	Mild curly top	Virus del rizado suave apical de la remolacha	BMCTV
Beet severe curly top curtovirus	Severe curly top	Virus del rizado fuerte apical de la remolacha	BSCTV
Bean yellow disorder virus	Bean yellow disorder virus	virus del desorden Amarillo de la Judía	BnYDV
Bean yellow mosaic potyvirus	Bean yellow mosaic	Bean yellow mosaic	BYMV
Southern bean mosaic virus	Bean southern virus	Virus del mosaico Sureño de la Judía	SBMV
Cucumber mosaic cucumovirus	Cucumber virus	Virus del mosaico del pepino	CMV
<b>Bacteria:</b>			
<i>Pseudomonas savastanoi</i> pv. <i>phaseolicola</i>	Halo blight	Grasa de las judías	Psp
<i>Pseudomonas syringae</i> pv. <i>syringae</i>	Bacterial brown spot	Enfermedad del chancro	Pss
<i>Xanthomonas axonopodis</i> pv. <i>phaseoli</i>	Common or fuscous blight	La seca de la judía	Xap
<b>Fungi:</b>			
<i>Aphanomyces euteiches</i>	Root rot		Ae
<i>Colletotrichum lindemuthianum</i>	Anthracnose	Antractonis	Cl
<i>Fusarium oxysporum</i> f.sp. <i>phaseoli</i>	Fusarium wilt	Fusarium de la judía	Fop
<i>Fusarium solani</i> f.sp. <i>phaseoli</i>	Fusarium root rot	Marchitez	Fsp
<i>Sclerotinia sclerotiorum</i>	White mold	Podredumbre blanca	Ss
<i>Uromyces appendiculatus</i>	Rust	Roya	Ua

**16. *Pisum sativum* (Garden pea)**

Scientific name	English common name	Spanish common name	Code
<b>Viruses:</b>			
Bean leaf roll luteovirus	Pea leaf roll, pea top yellows	Virus del enrollado de la hoja de la judía	BLRV
Bean yellow mosaic potyvirus	Bean yellow mosaic	Virus del mosaico amarillo de la judía	BYMV
Pea enation mosaic enamovirus	Pea enation mosaic		PEMV
Pea seed-borne mosaic potyvirus	Pea seed-borne mosaic		PSbMV
<b>Bacteria:</b>			
<i>Pseudomonas syringae</i> pv. <i>psii</i>	Bacterial blight		Psp
<b>Fungi:</b>			
<i>Aphanomyces euteiches</i>	Aphanomyces root rot		Ae
<i>Ascochyta pisi</i>	Ascochyta leaf and pod spot		Aps

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<i>Ascochyta pinodella</i>	Leaf spot and foot rot		Apn
<i>Botrytis cinerea</i>	Grey mold	Podredumbre gris, Botrytis	Bc
<i>Erysiphe pisi</i>	Powdery mildew	Oidio	Ep
<i>Fusarium oxysporum</i> f.sp. <i>pisi</i>	Near wilt	Fusarium	Fop
<i>Fusarium solani</i>	Fusarium root rot	Fusarium	Fs
<i>Mycosphaerella pinodes</i>	Ascochyta blight	Mycospharella	Mp
<i>Peronospora viciae</i>	Downy mildew	Mildiu	Pv

**17. *Raphanus sativus* (Radish)**

Scientific name	English common name	Spanish common name	Code
<b>Viruses:</b>			
Turnip mosaic potyvirus	Turnip mosaic		TuMV
<b>Bacteria:</b>			
<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
<b>Fungi:</b>			
<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	Raíz negra del rábano	Ar
<i>Fusarium oxysporum</i> f.sp. <i>raphani</i>	Yellows	Fusarium	For
<i>Peronospora parasitica</i>	Downy mildew	Mildiu veloso	Pp
<i>Plasmodiophora brassicae</i>	Clubroot	Hernia de las crucíferas, Podredumbre de la raíz	Pb
<i>Rhizoctonia solani</i>	Rhizoctonia scurf	Viruela de la patata	Rs

**18. *Solanum melongena* (Eggplant/Aubergine)**

Scientific name	English common name	Spanish common name	Code
<b>Viruses:</b>			
Tomato mosaic tobamovirus	Tomato mosaic	Virus del mosaico del tomate	ToMV
Tomato spotted wilt tospovirus	Tomato spotted wilt	Virus del bronceado del tomate	TSWV
<b>Bacteria:</b>			
<i>Ralstonia solanacearum</i>	Bacterial wilt	Podredumbre parda de la patata Marchitez bacteriana de las solanáceas	Rs
<b>Fungi:</b>			
<i>Fusarium oxysporum</i> f.sp. <i>melongenae</i>	Fusarium wilt	Fusarium	Fom
<i>Verticillium albo-atrum</i>	Verticillium wilt	Verticillium	Va
<i>Verticillium dahliae</i>	Verticillium wilt	Verticillium	Vd
<b>Nematodes:</b>			
<i>Meloidogyne incognita</i>	Root-knot	Nemátodos	Mi

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**19. *Spinacia oleracea* (Spinach)**

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

**20. *Valerianella locusta* (Corn salad)**

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

**21. *Zea mays* (Sweet corn)**

Scientific name	English common name	Spanish common name	Code
<b>Viruses:</b>			
Maize dwarf mosaic potyvirus	Maize dwarf mosaic	Virus del mosaico enanizane del maíz	MDMV
Sugarcane mosaic potyvirus	Sugarcane mosaic	Virus del mosaico de la caña de azúcar	SMV
<b>Bacteria:</b>			
<i>Pantoea stewartii</i>	Stewart's wilt		Pst
<b>Fungi:</b>			
<i>Bipolaris maydis</i>	Southern corn leaf blight	Tizón sureño del maíz	Bm
<i>Exserohilum turcicum</i>	Northern leaf blight	Tizón del maíz	Et
<i>Puccinia polysora</i>	Southern rust	Roya del sur	Pp
<i>Puccinia sorghi</i>	Common rust	Roya común	Ps
<i>Ustilago maydis</i>	Common smut	Carbón del maíz	Um