

ANNEX II

List of Union quarantine pests and their respective codes

TABLE OF CONTENTS

Part A: Pests not known to occur in the Union territory

- A. Bacteria
- B. Fungi and oomycetes
- C. Insects and mites
- D. Nematodes
- E. Parasitic plants
- F. Viruses, viroids and phytoplasmas

Part B: Pests known to occur in the Union territory

- A. Bacteria
- B. Fungi and oomycetes
- C. Insects and mites
- D. Molluscs
- E. Nematodes
- F. Viruses, viroids and phytoplasmas

PART A

PESTS NOT KNOWN TO OCCUR IN THE UNION TERRITORY

	Quarantine Pests and their codes assigned by EPPO
A. Bacteria	
1.	<i>Candidatus Liberibacter africanus</i> [LIBEAF]
2.	<i>Candidatus Liberibacter americanus</i> [LIBEAM]
3.	<i>Candidatus Liberibacter asiaticus</i> [LIBEAS]
4.	<i>Curtobacterium flaccumfaciens</i> pv. <i>flaccumfaciens</i> (Hedges) Collins and Jones [CORBFL]
5.	<i>Pantoea stewartii</i> subsp. <i>stewartii</i> (Smith) Mergaert, Verdonck & Kersters [ERWIST]

6.	<i>Ralstonia pseudosolanacearum</i> Safni et al. [RALSPS]
7.	<i>Ralstonia syzygii</i> subsp. <i>celebesensis</i> Safni et al. [RALSSC]
8.	<i>Ralstonia syzygii</i> subsp. <i>indonesiensis</i> Safni et al. [RALSSI]
9.	<i>Xanthomonas oryzae</i> pv. <i>oryzae</i> (Ishiyama) Swings et al. [XANTOR]
10.	<i>Xanthomonas oryzae</i> pv. <i>oryzicola</i> (Fang et al.) Swings et al. [XANTTO]
11.	<i>Xanthomonas citri</i> pv. <i>aurantifolii</i> (Schaad et al.) Constantin et al. [XANTAU]
12.	<i>Xanthomonas citri</i> pv. <i>citri</i> (Hasse) Constantin et al. [XANTCI]
B. Fungi and oomycetes	
1.	<i>Anisogramma anomala</i> (Peck) E. Müller [CRSPAN]
2.	<i>Apiosporina morbosus</i> (Schwein.) Arx [DIBOMO]
3.	<i>Atropellis</i> spp. [1ATRPG]
4.	<i>Botryosphaeria kuwatsukai</i> (Hara) G.Y. Sun and E. Tanaka [PHYOPI]
5.	<i>Bretziella fagacearum</i> (Bretz) Z.W. de Beer, T.A. Duong & M.J. Wingfield, comb. nov. [CERAFA]
6.	<i>Chrysomyxa arctostaphyli</i> Dietel [CHMYAR]
7.	<i>Cronartium</i> spp. [1CRONG], except <i>Cronartium gentianaeum</i> , <i>Cronartium pini</i> (Willdenow) Jørstad [ENDCPI] and <i>Cronartium ribicola</i> Fischer [CRONRI].
8.	<i>Davidsoniella virescens</i> (R.W. Davidson) Z.W. de Beer, T.A. Duong & M.J. Wingfield [CERAVI]
9.	<i>Elsinoë australis</i> Bitanc. & Jenkins [ELSIAU]
10.	<i>Elsinoë citricola</i> X.L. Fan, R.W. Barreto & Crous [ELSICI]
11.	<i>Elsinoë fawcettii</i> Bitanc. & Jenkins [ELSIFA]
12.	<i>Fusarium oxysporum</i> f. sp. <i>albedinis</i> (Kill. & Maire) W.L. Gordon [FUSAAL]

13.	<i>Guignardia loricata</i> (Sawada) W. Yamam& Kaz. Itô [GUIGLA]
14.	<i>Gymnosporangium</i> spp. [1GYMNG], except: <i>Gymnosporangium amelanchieris</i> E. Fisch. ex F. Kern, <i>Gymnosporangium atlanticum</i> Guyot & Malenc Bon, <i>Gymnosporangium clavariiforme</i> (Wulfen) DC [GYMNCF], <i>Gymnosporangium confusum</i> Plowr. [GYMNCO], <i>Gymnosporangium cornutum</i> Arthur ex F. Kern [GYMNCR], <i>Gymnosporangium fusisporum</i> E. Fisch., <i>Gymnosporangium gaeumannii</i> H. Zogg, <i>Gymnosporangium gracile</i> Pat., <i>Gymnosporangium minus</i> Crowell, <i>Gymnosporangium orientale</i> P. Syd. & Syd., <i>Gymnosporangium sabiniae</i> (Dicks.) G. Winter [GYMNFU], <i>Gymnosporangium torminali-juniperini</i> E. Fisch., <i>Gymnosporangium tremelloides</i> R. Hartig [GYMNTR]
15.	<i>Coniferiporia sulphurascens</i> (Pilát) L.W. Zhou & Y.C. Dai [PHELSU]
16.	<i>Coniferiporia weirii</i> (Murrill) L.W. Zhou & Y.C. Dai [INONWE]
17.	<i>Melampsora farlowii</i> (Arthur) Davis [MELMFA]
18.	<i>Melampsora medusae</i> f. sp. <i>tremuloidis</i> Shain [MELMMT]
19.	<i>Mycodiella laricis-leptolepidis</i> (Kaz. Itô, K. Satô & M. Ota) Crous [MYCOLL]
20.	<i>Phoma andina</i> Turkensteen [PHOMAN]
21.	<i>Phyllosticta citricarpa</i> (McAlpine) Van der Aa [GUIGCI]
22.	<i>Phyllosticta solitaria</i> Ellis & Everhart [PHYSSL]
23.	<i>Phymatotrichopsis omnivora</i> (Duggar) Hennebert [PHMPOM]
24.	<i>Phytophthora ramorum</i> (non-EU isolates) Werres, De Cock & Man in 't Veld [PHYTRA]
25.	<i>Pseudocercospora angolensis</i> (T. Carvalho & O. Mendes) Crous & U. Braun [CERCAN]
26.	<i>Pseudocercospora pini-densiflorae</i> (Hori & Nambu) Deighton [CERSPD]
27.	<i>Puccinia pittieriana</i> Hennings [PUCCPT]
28.	<i>Septoria malagutii</i> E.T. Cline [SEPTLM]

29.	<i>Sphaerulina musiva</i> (Peck) Quaedvl, Verkley & Crous. [MYCOPP]
30.	<i>Stegophora ulmea</i> (Fr.) Syd. & P. Syd [GNOMUL]
31.	<i>Thecaphora solani</i> Thirumulachar & O'Brien) Mordue [THPHSO]
32.	<i>Tilletia indica</i> Mitra [NEOVIN]
33.	<i>Venturia nashicola</i> S. Tanaka & S. Yamamoto [VENTNA]

C. Insects and mites

1.	<i>Acleris</i> spp. (non-European) [1ACLRG]
2.	<i>Acrobasis pyrivorella</i> (Matsumura) [NUMOPI]
3.	<i>Agrilus anxius</i> Gory [AGRLAX]
4.	<i>Agrilus planipennis</i> Fairmaire [AGRLPL]
5.	<i>Aleurocanthus citriperdus</i> Quaintance & Baker [ALECCT]
6.	<i>Aleurocanthus woglumi</i> Ashby [ALECWO]
7.	<i>Amauromyza maculosa</i> (Malloch) [AMAZMA]
8.	<i>Anomala orientalis</i> Waterhouse [ANMLOR]
9.	<i>Anoplophora glabripennis</i> (Motschulsky) [ANOLGL]
10.	<i>Anthonomus bisignifer</i> Schenkling [ANTHBI]
11.	<i>Anthonomus eugeni</i> Cano [ANTHEU]
12.	<i>Anthonomus grandis</i> (Boh.) [ANTHGR]
13.	<i>Anthonomus quadrigibbus</i> Say [TACYQU]

14.	<i>Anthonomus signatus</i> Say [ANTHSI]
15.	<i>Arrhenodes minutus</i> Drury [ARRHMI]
16.	<i>Aschistonyx eppoi</i> Inouye [ASCXEP]
17.	<i>Bactericera cockerelli</i> (Sulc.) [PARZCO]
18.	<i>Bemisia tabaci</i> Genn. (non-European populations) known to be vector of viruses [BEMITA]
19.	<i>Carposina sasakii</i> Matsumura [CARSSA]
20.	<i>Choristoneura</i> spp. (non-European) [1CHONG]
21.	<i>Cicadellidae</i> (non-European) [1CICDF] known to be vector of <i>Xylella fastidiosa</i> , such as: (a) <i>Carneiocephala fulgida</i> Nottingham [CARNFU] (b) <i>Draeculacephala minerva</i> Ball [DRAEMI]; (c) <i>Graphocephala atropunctata</i> (Signoret) [GRCPAT]. (d) <i>Homalodisca vitripennis</i> (Germar) [HOMLTR]
22.	<i>Conotrachelus nenuphar</i> (Herbst) [CONHNE]
23.	<i>Dendrolimus sibiricus</i> Chetverikov [DENDSI]
24.	<i>Diabrotica barberi</i> Smith and Lawrence [DIABLO]
25.	<i>Diabrotica undecimpunctata howardi</i> Barber [DIABUH]
26.	<i>Diabrotica undecimpunctata undecimpunctata</i> Mannerheim [DIABUN]
27.	<i>Diabrotica virgifera zea</i> Krysan & Smith [DIABVZ]
28.	<i>Diaphorina citri</i> Kuwayana [DIAACI]
29.	<i>Eotetranychus lewisi</i> (McGregor) [EOTELE]
30.	<i>Grapholita inopinata</i> (Heinrich) [CYDIIN]

31.	<i>Grapholita packardi</i> Zeller [LASPPA]
32.	<i>Grapholita prunivora</i> (Walsh) [LASPPR]
33.	<i>Heliothis zea</i> (Boddie) [HELIZE]
34.	<i>Hishimonus phycitis</i> (Distant) [HISHPH]
35.	<i>Keiferia lycopersicella</i> (Walsingham) [GNORLY]
36.	<i>Lopholeucaspis japonica</i> Cockerell [LOPLJA]
37.	<i>Liriomyza sativae</i> Blanchard [LIRISA]
38.	<i>Listronotus bonariensis</i> (Kuschel) [HYROBO]
39.	<i>Margarodes</i> , non-European species [1MARGG], such as: (a) <i>Margarodes prieskaensis</i> (Jakubski) [MARGPR]; (b) <i>Margarodes vitis</i> (Philippi) [MARGVI]; (c) <i>Margarodes vredendalensis</i> de Klerk [MARGVR].
40.	<i>Monochamus</i> spp. (non-European populations) [1MONCG]
41.	<i>Myndus crudus</i> van Duzee [MYNDCR]
42.	<i>Naupactus leucoloma</i> Boheman [GRAGLE]
43.	<i>Neoleucinodes elegantalis</i> (Guenée) [NEOLEL]
44.	<i>Oemona hirta</i> (Fabricius) [OEMOHI]
45.	<i>Oligonychus perditus</i> Pritchard and Baker [OLIGPD]
46.	<i>Pissodes cibriani</i> O'Brien
47.	<i>Pissodes fasciatus</i> Leconte [PISOFA]

48.	<i>Pissodes nemorensis</i> Germar [PISONE]
49.	<i>Pissodes nitidus</i> Roelofs [PISONI]
50.	<i>Pissodes punctatus</i> Langor & Zhang [PISOPU]
51.	<i>Pissodes strobi</i> (Peck) [PISOST]
52.	<i>Pissodes terminalis</i> Hopping [PISOTE]
53.	<i>Pissodes yunnanensis</i> Langor & Zhang [PISOYU]
54.	<i>Pissodes zitacuarensis</i> Sleeper
55.	<i>Polygraphus proximus</i> Blandford [POLGPR]
56.	<i>Premnotypes</i> spp. (non-European) [1PREMG]
57.	<i>Pseudopityophthorus minutissimus</i> (Zimmermann) [PSDPMI]
58.	<i>Pseudopityophthorus pruinus</i> (Eichhoff) [PSDPPR]
59.	<i>Rhizoecus hibisci</i> Kawai and Takagi [RHIOHI]
60.	<i>Rhynchophorus palmarum</i> (L.) [RHYCPA]
61.	<i>Saperda candida</i> Fabricius [SAPECN]
62.	<i>Scirtothrips aurantii</i> Faure [SCITAU]
63.	<i>Scirtothrips citri</i> (Moulton) [SCITCI]
64.	<i>Scirtothrips dorsalis</i> Hood [SCITDO]

65.	<i>Scolytidae</i> spp. (non-European) [1SCOLF]
66.	<i>Spodoptera eridania</i> (Cramer) [PRODER]
67.	<i>Spodoptera frugiperda</i> (Smith) [LAPHFR]
68.	<i>Spodoptera litura</i> (Fabricius) [PRODLI]
69.	<i>Tecia solanivora</i> (Povolný) [TECASO]
70.	<i>Tephritidae</i> (non-European) [1TEPHF], such as: (a) <i>Anastrepha fraterculus</i> (Wiedemann) [ANSTFR]; (b) <i>Anastrepha ludens</i> (Loew) [ANSTLU]; (c) <i>Anastrepha obliqua</i> (Macquart) [ANSTOB]; (d) <i>Anastrepha suspensa</i> (Loew) [ANSTSU]; (e) <i>Bactrocera dorsalis</i> (Hendel) [DACUDO]; (f) <i>Bactrocera tryoni</i> (Froggatt) [DACUTR]; (g) <i>Bactrocera tsuneonis</i> (Miyake) [DACUTS]; (h) <i>Bactrocera zonata</i> (Saunders) [DACUZO]; (i) <i>Dacus ciliatus</i> Loew [DACUCI]; (j) <i>Epochra canadensis</i> (Loew) [EPOCCA]; (k) <i>Pardalaspis cyanescens</i> Bezzi [CERTCY]; (l) <i>Pardalaspis quinaria</i> Bezzi [CERTQU]; (m) <i>Pterandrus rosa</i> (Karsch) [CERTRO]; (n) <i>Rhacochlaena japonica</i> Ito [RHACJA]; (o) <i>Rhagoletis fausta</i> (Osten-Sacken) [RHAGFA]; (p) <i>Rhagoletis indifferens</i> Curran [RHAGIN]; (q) <i>Rhagoletis mendax</i> Curran [RHAGME]; (r) <i>Rhagoletis pomonella</i> (Walsh) [RHAGPO]; (s) <i>Rhagoletis ribicola</i> Doane [RHAGRI]; (t) <i>Rhagoletis suavis</i> (Loew) [RHAGSU]; (u) <i>Zeugodacus cucurbitae</i> (Coquillett) [DACUCU].
71.	<i>Thaumatotibia leucotreta</i> (Meyrick) [ARGPLE]
72.	<i>Thrips palmi</i> Karny [THRIPL]
73.	<i>Unaspis citri</i> (Comstock) [UNASCI]

D. Nematodes

1.	<i>Hirschmanniella</i> spp. Luc & Goodey [HIRSG], except: <i>Hirschmanniella behningi</i> (Micoletzky) Luc & Goodey [HIRSBE], <i>Hirschmanniella gracilis</i> (de Man) Luc & Goodey [HIRSGR], <i>Hirschmanniella halophila</i> Sturhan & Hall, <i>Hirschmanniella loofi</i> Sher [HIRSLO] and <i>Hirschmanniella zostericola</i> (Allgén) Luc & Goodey [HIRSZO]
----	---

2.	<i>Longidorus diadecturus</i> Eveleigh and Allen [LONGDI]
3.	<i>Nacobbus aberrans</i> (Thorne) Thorne and Allen [NACOBBA]
4.	<i>Xiphinema americanum</i> Cobb <i>sensu stricto</i> [XIPHAA]
5.	<i>Xiphinema bricolense</i> Ebsary, Vrain & Graham [XIPHBC]
6.	<i>Xiphinema californicum</i> Lamberti & Bleve-Zacheo [XIPHCA]
7.	<i>Xiphinema inaequale</i> Khan et Ahmad [XIPHNA]
8.	<i>Xiphinema intermedium</i> Lamberti & Bleve-Zacheo
9.	<i>Xiphinema rivesi</i> (non-EU populations) Dalmaso [XIPHRI]
10.	<i>Xiphinema tarjanense</i> Lamberti & Bleve-Zacheo [XIPHTA]

E. Parasitic plants

1.	<i>Arceuthobium</i> spp. [1AREG], except: <i>Arceuthobium azoricum</i> Wiens & Hawksworth [AREAZ], <i>Arceuthobium gambyi</i> Fridl and <i>Arceuthobium oxycedri</i> DC. M. Bieb. [AREOX]
----	--

F. Viruses, viroids and phytoplasmas

1.	Beet curly top virus [BCTV00]
2.	Black raspberry latent virus [TSVBL0]
3.	Coconut cadang-cadang viroid [CCCVD0]
4.	Chrysanthemum stem necrosis virus [CSNV00]
5.	Citrus tristeza virus (non-EU isolates) [CTV000]
6.	Citrus leprosis viruses [CILV00]: (a) CiLV-C [CILVC0]; (b) CiLV-C2 [CILVC2]; (c) HGSV-2 [HGSV20] (d) Citrus strain of OFV [OFV00] (citrus strain); (e) CiLV-N <i>sensu novo</i> .
7.	Palm lethal yellowing phytoplasmas [PHYP56]

8.	Potato viruses, viroids and phytoplasmas, such as: (a) Andean potato latent virus [APLV00]; (b) Andean potato mottle virus [APMOV0]; (c) Arracacha virus B, oca strain [AVBO00]; (d) Potato black ringspot virus [PBRSV0]; (e) Potato virus T [PVT000]; (f) Non-European isolates of potato viruses A, M, S, V, X and Y (including Y ^o , Y ⁿ and Y ^c) and Potato leafroll virus [PVA000, PVM000, PVS000, PVV000, PVX000, PVY000 (including Y ^o , PVYN00, PVYC00)] and [PLRV00].
9.	Satsuma dwarf virus [SDV000]
10.	Tobacco ringspot virus [TRSV00]
11.	Tomato ringspot virus [TORSV0]
12.	Viruses, viroids and phytoplasmas of <i>Cydonia</i> Mill., <i>Fragaria</i> L., <i>Malus</i> Mill., <i>Prunus</i> L., <i>Pyrus</i> L., <i>Ribes</i> L., <i>Rubus</i> L. and <i>Vitis</i> L., such as: (a) Blueberry leaf mottle virus [BLMOV0]; (b) Cherry rasp leaf virus [CRLV00]; (c) Peach mosaic virus [PCMV00]; (d) Peach rosette mosaic virus [PRMV00]; (e) American plum line pattern virus [APLPV0]; (f) Raspberry leaf curl virus [RLCV00]; (g) Strawberry witches' broom phytoplasma [SYWB00]; (h) Non-European viruses, viroids and phytoplasmas of <i>Cydonia</i> Mill., <i>Fragaria</i> L., <i>Malus</i> Mill., <i>Prunus</i> L., <i>Pyrus</i> L., <i>Ribes</i> L., <i>Rubus</i> L. and <i>Vitis</i> L.
13.	Begomoviruses except: Abutilon mosaic virus [ABMV00], Sweet potato leaf curl virus [SPLCV0], Tomato leaf curl New Delhi Virus [TOLCND], Tomato yellow leaf curl virus [TYLCV0], Tomato yellow leaf curl Sardinia virus [TYLCSV], Tomato yellow leaf curl Malaga virus [TYLCMA], Tomato yellow leaf curl Axarquia virus [TYLCAX]
14.	Cowpea mild mottle virus [CPMMV0]
15.	Lettuce infectious yellows virus [LIYV00]
16.	Melon yellowing-associated virus [MYAV00]
17.	Squash vein yellowing virus [SQVYVX]
18.	Sweet potato chlorotic stunt virus [SPCSV0]
19.	Sweet potato mild mottle virus [SPMMV0]

20.	Tomato chocolate virus [TOCHV0]
21.	Tomato marchitez virus [TOANV0]
22.	Tomato mild mottle virus [TOMMOV]
23.	Witches' broom disease of lime phytoplasma [PHYPAF]

PART B

PESTS KNOWN TO OCCUR IN THE UNION TERRITORY

	Quarantine Pests and their codes assigned by EPPO
A. Bacteria	
1.	<i>Clavibacter sepedonicus</i> (Spieckermann and Kottho) Nouioui <i>et al.</i> [CORBSE]
2.	<i>Ralstonia solanacearum</i> (Smith) Yabuuchi <i>et al.</i> emend. Safni <i>et al.</i> [RALSSL]
3.	<i>Xylella fastidiosa</i> (Wells <i>et al.</i>) [XYLEFA]
B. Fungi and oomycetes	
1.	<i>Ceratocystis platani</i> (J. M. Walter) Engelbr. & T. C. Harr [CERAFP]
2.	<i>Fusarium circinatum</i> Nirenberg & O'Donnell [GIBBCI]
3.	<i>Geosmithia morbida</i> Kolarík, Freeland, Utley & Tisserat [GEOHMO]
4.	<i>Synchytrium endobioticum</i> (Schilb.) Percival [SYNCEN]
C. Insects and mites	
1.	<i>Aleurocanthus spiniferus</i> (Quaintance) [ALECSN]
2.	<i>Anoplophora chinensis</i> (Thomson) [ANOLCN]
3.	<i>Aromia bungii</i> (Faldermann) [AROMBU]
4.	<i>Pityophthorus juglandis</i> Blackman [PITOUJ]
5.	<i>Popillia japonica</i> Newman [POPIJA]

6.	<i>Toxoptera citricida</i> (Kirkaldy) [TOXOCI]
7.	<i>Trioza erytreae</i> Del Guercio [TRIZER]

D. Molluscs

1.	Pomacea (Perry) [1POMAG]
----	--------------------------

E. Nematodes

1.	<i>Bursaphelenchus xylophilus</i> (Steiner and Bühner) Nickle <i>et al.</i> [BURSXY]
2.	<i>Globodera pallida</i> (Stone) Behrens [HETDPA]
3.	<i>Globodera rostochiensis</i> (Wollenweber) Behrens [HETDRO]
4.	<i>Meloidogyne chitwoodi</i> Golden <i>et al.</i> [MELGCH]
5.	<i>Meloidogyne fallax</i> Karssen [MELGFA]

F. Viruses, viroids and phytoplasmas

1.	Grapevine flavescence dorée phytoplasma [PHYP64]
2.	Tomato leaf curl New Delhi virus [TOLCND]