

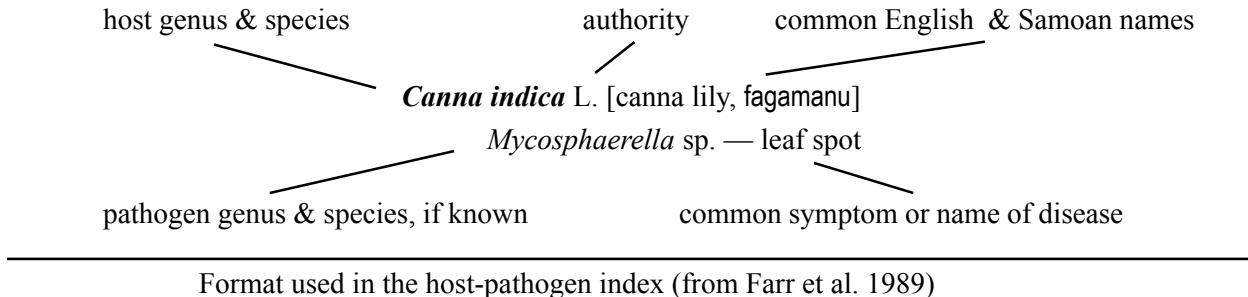
Technical Report No. 32

**List of Plant Diseases in American Samoa 2000**

Fred Brooks, Plant Pathologist

Author's note: this report will be updated in September 2002

## HOST-PATHOGEN INDEX



***Alocasia macrorrhiza* (L.) G. Don** [giant taro, ta'amu]

*Cercospora* sp. — leaf spot  
*Macrophoma* sp. — from taro leaf blight lesion  
*Mycosphaerella alocasiae* — leaf spot  
*Pestalotiopsis* sp. — from leaf spot  
*Phoma* sp. — from leaf spot  
*Phytophthora colocasiae* — taro leaf blight  
 Virus, unidentified — stunt, distortion, on var. 'New Guinea'

***Artocarpus altilis* (Park.) Fosb.** [breadfruit, 'ulu]

*Colletotrichum* sp. — from leaf spot  
*Glomerella* sp. — angular leaf spot  
*Physalospora* sp. — leaf spot  
*Phyllosticta artocarpi* — leaf spot

***Bidens alba* (L.) DC.** [beggar's-tick]

*Uromyces bidenticola* — rust

***Bischofia javanica* Bl.** ['o'a]

*Pestalotiopsis* sp. — leaf spot

***Bixa orellana* L.** [lipstick-tree, loa]

*Cercospora bixae* — leaf spot

***Brassica chinensis* var. *chinensis* (L.) Prain** [Chinese cabbage, pak-choi, kapisi]

*Erwinia* sp. — bacterial crown rot

*Pythium* spp. — damping-off

***Bougainvillea spectabilis*** Willd. [bougainvillea, felila]

*Cercosporidium bougainvilleae* — leaf spot

***Broussonetia papyrifera*** (L.) Venten. [paper-mulberry, u'a]

*Cercospora broussonetiae* — leaf spot

***Caladium*** Venten. x ***hortulanum*** [caladium]

*Phyllosticta* sp. — leaf spot

*Chaetomella* sp. — from dead leaf tissue

***Cananga odorata*** (Lam.) Hook. f. & Thoms. [moso'oi]

*Colletotrichum gloeosporioides* — branch dieback

***Canarium harveyi*** Seem. [mafoa]

*Colletotrichum* sp. — leaf spot

***Canna indica*** L. [canna lily, fagamanu]

*Mycosphaerella* sp. — leaf spot

*Uredo pseudocannae* — rust

***Capsicum annuum*** L. [bell, Cayenne, chili pepper, polo]

*Phytophthora parasitica* — root and crown rot

***Carica papaya*** L. [papaya, esi]

*Colletotrichum gloeosporioides* — leaf spot

*Corynespora cassiicola* — leaf spot

***Carissa grandiflora*** (E. Mey.) A. DC. [natal plum]

*Pestalotiopsis* sp. — leaf spot

***Citrus*** sp. L. [citrus, mol'i]

*Capnodium* sp. — sooty mold

*Chaetomella* sp. — on leaves

*Colletotrichum gloeosporioides* — leaf anthracnose

*Lasiodiplodia theobromae* — on dead bark

*Meloidogyne* sp. — root knot nematode

*Sphaceloma fawcettii* var. *scabiosa* — citrus scab

***Cocos nucifera*** L. [coconut palm, niu]

*Colletotrichum* sp. — from coalesced leaf spots

*Pestalotiopsis palmarum* — leaf spot

*Phyllosticta* sp. — leaf spot

*Septoria* sp. — from leaf spot

unidentified — sooty mold

***Codiaeum variegatum* (L.) Blume [croton]**

*Colletotrichum* sp. — leaf spot

***Colocasia esculenta* (L.) Schott [taro, talo]**

*Cladosporium colocasiae* — sooty mold

*Curvularia* sp. — from Leptosphaerulina leaf spot

*Gonatobotryum* sp. — on leaves and petioles

*Leptosphaeria* sp. — from Leptosphaerulina leaf spot

*Leptosphaerulina trifolii* — leaf spot

*Phytophthora colocasiae* — taro leaf blight

*Pythium* sp. — corm rot

*Septoria* sp. — from Leptosphaerulina leaf spot

***Cordyline terminalis* (L.) Kunth [ti, ti]**

*Ascochyta* sp. — from leaf spot

*Colletotrichum* sp. — from leaf spot

*Pestalotiopsis* sp. — from leaf spot

*Phyllosticta* sp. — from leaf spot

***Cucumis sativus* L. [cucumber, kukama]**

*Cercospora citrullina* — leaf spot

*Didymella bryoniae* — gummy stem blight

*Meloidogyne* sp. — root knot nematode

*Oidium* sp. — powdery mildew

*Phoma cucurbitacearum* — gummy stem blight, leaf spot

*Pythium aphanidermatum* — fruit, root and crown rot

*Pythium* sp. — root and crown rot

*Pythium* sp. — damping-off

*Rhizoctonia solani* — damping-off, fruit rot

***Cyperus rotundus* L. [purple nut sedge, mumuta]**

*Puccinia canaliculata* — leaf rust

*Sphaerellopsis filum* — parasite of rust

***Dendrolobium umbellatum* (L.) Benth. [ala]**

*Cercospora* sp. — leaf spot  
*Pestalotiopsis* sp. — from leaf spot

***Digitaria setigera*** Roem. & F.W. Schultz [crab grass]  
*Puccinia oahuensis* — leaf and stem rust

***Diffenbachia*** Schott [dumbcane]  
*Lophodermium* sp. — leaf spot

***Dioscorea bulbifera*** L. [bitter yam, soi]  
*Cercospora* sp. — leaf spot

***Erythrina subumbrans*** (Hassk.) Merr. [gatae palagi]  
*Phoma erythrinicola* — leaf spot

***Erythrina variegata*** L. [coral tree, gatae]  
*Colletotrichum gloeosporioides* — leaf spot

***Euphorbia pulcherrima*** Willd. ex Klotzsch [poinsettia]  
*Colletotrichum* sp. — leaf anthracnose  
*Dothiorella* sp. — branch dieback  
*Glomerella* sp. — leaf necrosis  
*Lasiodiplodia theobromae* — branch dieback  
*Phoma* sp. — branch dieback  
*Phomopsis* sp. — branch dieback  
*Sphaceloma poinsettiae* — leaf anthracnose

***Ficus tinctoria*** Forst. f. [dyer's fig; mati]  
*Phellinus noxius* — brown root rot

***Hedychium coronarium*** J. Konig ex Retz. [white ginger, teuila]  
*Colletotrichum* sp. — leaf spot  
*Mycosphaerella hedychii* — leaf spot  
*Pestalotiopsis* sp. — leaf spot

***Heliconia psittacorum*** L. fil [parrot flower]  
*Curvularia* sp. — leaf spot  
*Dothiorella* sp. — from leaf spot  
*Leptosphaeria* sp. — from leaf spot

***Heliconia* sp.** L. [lobster claw]

*Colletotrichum* sp. — from leaf anthracnose  
*Curvularia* sp. — from leaf anthracnose  
*Mycosphaerella* sp. — from leaf anthracnose  
*Physalospora* sp. — from leaf anthracnose  
*Septoria* sp. — from leaf anthracnose

***Hibiscus rosa-sinensis* L.** [hibiscus, 'aute]

*Cercospora althaeina* — leaf spot  
*Colletotrichum* sp. — leaf spot  
*Colletotrichum musae* — leaf spot  
*Curvularia* sp. — leaf anthracnose  
*Phellinus noxius* — root and crown rot  
*Phyllosticta* sp. — from leaf spots  
unidentified — sooty mold

***Hibiscus tiliaceus* L.** [beach hibiscus, fau]

*Colletotrichum gloeosporioides* — leaf spot  
*Pestalotiopsis* sp. — leaf spot

***Intsia bijuga* (Colebr.) Kuntze** [ifilele]

*Phellinus noxius* — root and crown rot

***Ipomoea alba* L.** [moonflower, fue sina]

*Colletotrichum* sp. — leaf spot

***Ipomoea pes-caprae* (L.) R. Br.** [beach morning-glory, fue kula, fue mola]

*Cercospora* sp. — leaf spot

***Iris* L.** [iris]

*Dothiorella* sp. — from leaf spot

***Lagerstroemia indica* L.** [crape-myrtle]

*Oidium* sp. — powdery mildew

***Ludwigia octovalvis* (Jacq.) Raven** [primrose willow]

*Cercospora* sp. — leaf spot

***Lycopersicon esculentum* Miller** [tomato]

*Botryosphaeria dothidea* — from leaf spot  
*Corynespora cassiicola* — leaf spot  
*Colletotrichum gloeosporioides* — leaf spot

*Dothiorella* sp. — from leaf spot  
*Erwinia carotovora* subsp. *carotovora* — bacterial canker  
*Meloidogyne incognita* — root knot nematode  
*Pestalotiopsis* sp. — from leaf spot  
*Pseudomonas solanacearum* race 1 — bacterial wilt  
*Sclerotinia sclerotiorum* — stem canker

***Macaranga harveyana*** (Muell. Arg.) Muell. Arg. [lau pata, pata]  
*Phellinus noxius* — collar and root rot

***Mangifera indica*** L. [mango, mago]  
*Colletotrichum gloeosporioides* — anthracnose  
*Dendrophoma* sp. — from leaf spots  
*Lophodermium* sp. — on dead stems  
*Pestalotiopsis mangiferae* — gray leaf spot

***Manihot esculenta*** Crantz [tapioca, manioka]  
*Botryosphaeria* sp. — from leaf spots  
*Cercospora* sp. — leaf spot  
*Cercosporidium henningsii* — leaf spot

***Merremia umbellata*** (L.) Hall. f. [fue lautetele]  
*Cercospora* sp. — leaf spot

***Mikania micrantha*** Kunth [mile-a-minute vine, fue saina]  
*Cercospora* sp. — leaf spot  
*Marasmiellus* sp. — on dead stem

***Momordica charantia*** L. [bitter gourd]  
*Cercospora citrullina* — leaf spot

***Musa acuminata*** Colla x ***M. balbisiana*** Colla [edible banana, fa'i]  
Banana Bunchy Top Virus — sterility, plant death  
*Cordana musae* — leaf spot  
*Curvularia* sp. — leaf spot  
*Helicotylenchus* sp. — from rhizosphere (nematode)  
*Leptosphaeria* sp. — from leaf blight  
*Marasmiellus semiustus* — pseudostem rot  
*Mycosphaerella fijiensis* — black leaf streak  
*Phyllachora musicola* — black cross leaf streak  
*Phyllosticta musarum* — leaf spot and leaf streak

*Radopholus similis* — root death, toppling over (nematode)

***Myristica fatua*** Houtt. [Samoan nutmeg; 'atone]

*Phellinus* sp. — brown root rot

***Nicolaia elatior* (*Phaeomeria magnifica*)** author unknown [torch ginger]

*Pestalotiopsis* sp. — leaf blight

***Pandanus whitmeeanus*** Mart. [screwpine; paogo, fasa, lau fala]

*Pestalotiopsis palmarum* — leaf spot

*Pestalozziella* sp. — from leaf spot

***Persea americana*** Miller [avocado, 'avoka]

*Botryosphaeria dothidea* — from leaf spot

*Discosia* sp. — from leaf spot

*Dothiorella* sp. (*Fusicoccum*) — branch canker

***Philodendron*** Schott [heart-leaf philodendron]

*Physalospora* sp. — leaf spot

***Planchonella torricellensis*** (K. Schum.) Lam [mamalava]

*Pestalotiopsis* sp. — leaf spot

*Rhynchosphaeria* sp. — 'shot hole' leaf spot

***Plumeria* sp.** L. [frangipani, pua fiti]

*Coleosporium plumeriae* — rust on leaves

***Polyscias guilfoylei*** (W. Bull) L.H. Bailey [geranium-leaf aralia, tanitani]

*Cercospora* sp. — leaf spot

*Colletotrichum gloeosporioides* — leaf spot

*Glomerella* sp. — from leaf spot

***Pometia pinnata*** Forst. [tava]

*Cladosporium* sp. — sooty mold

***Pritchardia pacifica*** Seem. & H. Wendl. ex Wendl. [Fiji island fan palm, niu piu]

*Botryosphaeria* sp. — on leaf spot

*Pestalotiopsis palmarum* — leaf spot

***Pseuderanthemum reticulatum*** (J.D. Hook) Radlk. [not known]

*Colletotrichum* sp. — leaf spot

*Glomerella* sp. — leaf spot

***Puccinia canaliculata*** (Schwein.) Lagerh. [rust fungus on purple nut sedge]  
*Sphaerellopsis filum* — mycoparasite of *P. canaliculata*.

***Pueraria lobata*** (Willd.) Ohwi [kudzu]

*Colletotrichum* sp. — angular leaf spot  
*Guignardia* sp. — from leaf spot

***Rosa chinensis*** Jacq. [rose]

*Mycosphaerella* sp. — leaf spot

***Sanchezia*** Ruiz & Pav. [not known]

*Mycosphaerella* sp. — leaf spot

***Solanum melongena*** L. [eggplant, aubergine, israeli]

*Phoma* sp. — leaf spot, fruit spot  
*Cercospora melongenae* — leaf spot  
*Rhizopus stolonifer* — fruit rot

***Solanum nigrum*** L. [black nightshade, magalo]

*Cercospora* sp. — leaf spot

***Spathoglottis plicata*** Blume [Philippine orchid]

*Colletotrichum* sp. — leaf anthracnose  
*Lasiodiplodia theobromae* — from leaf blight  
*Leptosphaeria* sp. — from leaf blight  
*Phyllosticta* sp. — from leaf blight

***Syngonium podophyllum*** Schott [nephthytis]

*Cercospora* sp. — leaf spot  
*Colletotrichum* sp. — leaf anthracnose  
*Leptosphaeria* sp. — from leaf spots

***Tarennia sambucina*** (Forst. f.) Durand [ma'anunu]

*Meloidogyne* sp. — root knot nematode

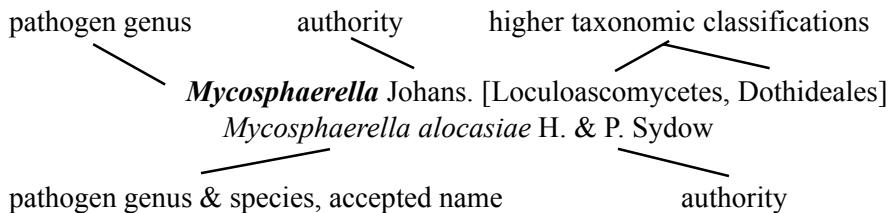
***Theobroma cacao*** L. [cacao, koko]

*Physalospora* sp. — from leaf anthracnose

***Veitchia merrillii*** (Becc.) H. Moore [Manila palm]

## PATHOGEN-HOST INDEX

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Format used in the pathogen-host list (from Farr et al. 1989)

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***Ascochyta*** Lib. [Coelomycetes]

*Ascochyta* sp.

*Cordyline terminalis* (ti)

**Banana Bunchy Top Virus**

*Musa* hybrids (all banana and plantain)

***Botryosphaeria*** Ces. & De Not. [Loculoascomycetes, Dothideales]

*Botryosphaeria dothidea* (Moug.:Fr.) Ces. & De Not.

host unknown (on dead wood)

*Lycopersicon esculentum* (from leaf spot on tomato)

*Persea americana* (avocado)

*Botryosphaeria* sp.

*Pritchardia pacifica* (Fiji island fan palm)

***Capnodium*** Mont. [Loculoascomycetes, Dothideales]

*Capnodium* sp.

*Citrus* sp. (citrus)

***Cercospora*** Fresen. [Hyphomycetes]

*Cercospora althaeina* Sacc.

*Hibiscus rosa-chinensis* (Hawaiian hibiscus)

*Cercospora bixae* Allesch. & F. Noack

*Bixa orellana* (common name not known)

*Cercospora broussonetiae* Chupp & Linder

*Broussonetia papyrifera* (paper mulberry)

*Cercospora citrullina* Cooke

*Cucumis sativus* (cucumber)

*Momordica charantia* (bitter gourd)

*Cercospora melongenae* C. Welles

*Solanum melongena* (eggplant, aubergine)

*Cercospora* sp.

*Alocasia macrorrhiza* (giant taro)

*Dendrolobium umbellatum* (lala)

*Dioscorea bulbifera* (bitter yam)  
*Ipomoea pes-caprae* (beach morning-glory)  
*Ludwigia octovalvis* (primrose willow)  
*Manihot esculenta* (tapioca)  
*Merremia umbellata* (morning-glory)  
*Mikania micrantha* (mile-a-minute vine)  
*Polyscias guilfoylei* (geranium-leaf aralia)  
*Solanum nigrum* (black nightshade)  
*Syngonium podophyllum* (nephthytis)  
*Veitchia merrillii* (Manila palm)

***Cercosporidium*** Earle [Hyphomycetes]

*Cercosporidium bougainvilleae* (Muntanola) Sobers & C.P. Seymour  
*Bougainvillea* sp. (bougainvillea)  
*Cercosporidium henningsii* (Allesch.) Deighton  
*Manihot esculenta* (tapioca)

***Chaetomella*** Fuckel [Coelomycetes]

*Chaetomella* sp.  
*Citrus* sp. (unidentified)

***Cladosporium*** Link:Fr. [Hyphomycetes]

*Cladosporium* sp. — sooty mold  
*Colocasia esculenta* (taro)  
*Pometia pinnata* (tava)

***Coleosporium*** Lev. [Basidiomycetes, Uredinales]

*Coleosporium plumeriae* Pat.  
*Plumeria* sp. (frangipani)

***Colletotrichum*** Corda in Sturm [Coelomycetes]

*Colletotrichum gloeosporioides* (Penz.) Penz. & Sacc. in Penz.  
*Artocarpus altilis* (breadfruit)  
*Cananga odorata* (moso'oi)  
*Carica papaya* (papaya)  
*Citrus* sp. (citrus)  
*Erythrina variegata* (coral tree)  
*Hibiscus tiliaceus* (beach hibiscus)  
*Lycopersicon esculentum* (tomato)  
*Mangifera indica* (mango)  
*Polyscias guilfoylei* (geranium-leaf aralia)  
*Pseuderanthemum reticulatum* (no common name)

*Colletotrichum* sp.

*Canarium harveyi* (mafoa)  
*Cocos nucifera* (coconut palm)  
*Codiaeum variegatum* (croton)  
*Cordyline terminalis* (ti)  
*Euphorbia pulcherrima* (poinsettia)  
*Hedychium coronarium* (white ginger)  
*Heliconia humilis* (lobster claw)  
*Hibiscus rosa-sinensis* (China-rose, Hawaiian hibiscus)

*Ipomoea alba* (morning glory vine)  
*Polyscias guilfoylei* (geranium-leaf aralia)  
*Pueraria lobata* (kudzu)  
*Spathoglottis plicata* (Philippine orchid)  
*Syngonium* sp. (arrowhead vine)

**Cordana** G. Preuss [Hyphomycetes]  
*Cordana musae* (A. Zimmerm.) Hohn.  
*Musa* hybrid (edible banana)

**Corynespora** H.T. Gussow [Hyphomycetes]  
*Corynespora cassiicola* (Berk. & M.A. Curtis) C.T. Wei  
*Carica papaya* (papaya)  
*Cucumis sativus* (cucumber)  
*Lycopersicon esculentum* (tomato)

**Curvularia** Boedijn [Hyphomycetes]  
*Curvularia* sp.  
*Colocasia esculenta* (taro)  
*Heliconia psittacorum* (parrot flower)  
*Hibiscus rosa-sinensis* (China-rose, Hawaiian hibiscus)  
*Musa* hybrid (edible banana)

**Daldinia** Ces. & De Not., nom. cons. [Pyrenomycetes, Xylariales]  
*Daldinia concentrica* (Bolton:Fr.) Ces. & De Not.  
*Citrus* sp. (on citrus wood)

**Dendrophoma** Sacc. [Coelomycetes]  
*Dendrophoma* sp.  
*Mangifera indica* (mango)

**Didymella** Sacc. [Loculoascomycetes, Dothideales]  
*Didymella bryoniae* (Auersw.) Rehm  
*Cucumis sativus* (cucumber)

**Discosia** Lib. [Coelomycetes]  
*Discosia* sp.  
*Persea americana* (avocado)

**Dothiorella** Sacc. [Coelomycetes]  
*Dothiorella* sp.  
*Heliconia psittacorum* (parrot flower)  
*Iris* sp. (iris)  
*Persea americana* (avocado)

**Erwinia** Winslow, Broadhurst Buchanan, Krumwiede, Rogers & Smith,  
1920 [Enterobacteriaceae]  
*Erwinia carotovora* subsp. *carotovora* (Jones) Dye  
*Lycopersicon esculentum* (tomato)  
*Erwinia* sp.  
*Brassica chinensis* var *chinensis* (Chinese cabbage, pak-choi)

**Fusicoccum** Corda in Sturm [Coelomycetes]

*Fusicoccum* sp.

*Persea americana* (avocado)

*Veitchia merrillii* (Manila palm)

**Glomerella** Spauld. & H. Schrenk [Pyrenomycetes, Phyllachorales]

*Glomerella* sp.

*Artocarpus altilis* (breadfruit)

*Euphorbia pulcherrima* (poinsettia)

*Polyscias guilfoylei* (geranium-leaf aralia)

**Gonatobotryum** Sacc. [Hymenomycetes]

*Gonatobotryum* sp.

*Colocasia esculenta* (taro)

**Graphium** Corda [Hymenomycetes]

*Graphium* sp.

host unknown (on dead wood)

**Guignardia** Viala & Ravaz [Loculoascomycetes, Dothideales]

*Guignardia* sp.

*Pueraria lobata* (kudzu)

**Helicotylenchus** Steiner, 1945 [Hoplolaimidae, Hoplolaiminae]

*Helicotylenchus* sp.

*Musa* hybrid (edible banana)

**Lasiodiplodia** Ellis & Everh. [Coelomycetes]

*Lasiodiplodia theobromae* (Pat.) Griffon & Maubl.

*Euphorbia pulcherrima* (poinsettia)

*Spathoglottis* sp. (Philippine orchid)

**Leptosphaeria** Ces. & De Not., nom. cons. [Loculoascomycetes, Dothideales]

*Leptosphaeria* sp.

*Colocasia esculenta* (taro)

*Heliconia psittacorum* (parrot flower)

*Musa* hybrid (edible banana)

*Spathoglottis plicata* (Philippine orchid)

*Syngonium podophyllum* (nephthytis)

**Leptosphaerulina** McAlpine [Loculoascomycetes, Dothideales]

*Leptosphaerulina trifolii* (Rostr.) Petr.

*Colocasia esculenta* (taro)

**Lophodermium** Chev. [Discomycetes, Rhytidiales]

*Lophodermium* sp.

*Difffenbachia* sp. (dumbcane)

**Macrophoma** (Sacc.) Berl. & Voglino [Coelomycetes]

*Macrophoma* sp.

*Alocasia macrorrhiza* (giant taro)

***Marasmiellus*** Murrill [Basidiomycetes, Agaricales]  
*Marasmiellus semiustus* (Berk. & M.A. Curtis) Singer  
    *Musa* hybrid (edible banana)  
*Marasmiellus stenophyllus* (Mont.) Singer  
    *Colocasia esculenta* (taro)  
*Marasmiellus* sp.  
    *Mikania micrantha* (mile-a-minute vine)

***Meloidogyne*** Goeldi, 1892 [Heteroderidae, Meloidogyninae]  
*Meloidogyne ingognita* (Kofoid & White, 1919) Chitwood, 1949  
    *Lycopersicon esculentum* (tomato)  
*Meloidogyne* sp.  
    *Citrus* sp. (citrus)  
    *Cucumis sativus* (cucumber)  
    *Tarennia sambucina* (ma'anunu)

***Mycosphaerella*** Johans. [Loculoascomycetes, Dothideales]  
*Mycosphaerella alocasiae* H. & P. Sydow  
    *Alocasia macrorrhiza* (giant taro)  
*Mycosphaerella fijiensis* Morelet  
    *Musa* hybrid (edible banana)  
*Mycosphaerella heydichii* F. Stevens & P.A. Young in F. Stevens  
    *Hedychium coronarium* (white ginger)  
*Mycosphaerella* sp.  
    *Canna indica* (canna lily)  
    *Heliconia humilis* (lobster claw)  
    *Rosa chinensis* (rose)  
    *Sanchezia* sp. (common name not known)

***Nectria*** (Fr.) Fr. [Pyrenomycetes, Hypocreales]  
*Nectria haematacocca* Berk. & Broome  
    host unknown (on dead wood)

***Nodulisporium*** G. Preuss. [Hyphomycetes]  
*Nodulisporium* sp. (associated with *Daldinia* sp. on citrus)

***Oidium*** Link, nom. cons. [Hyphomycetes]  
*Oidium* sp.  
    *Cucumis sativus* (cucumber)  
    *Lagerstroemia indica* (crape-myrtle)  
    *Vigna unguiculata* (yard-long bean)

***Pestalotiopsis*** Steyaert [Coelomycetes]  
*Pestalotiopsis mangiferae* (Henn.) Steyaert  
    *Mangifera indica* (mango)  
*Pestalotiopsis palmarum* (Cooke) Steyaert  
    *Cocos nucifera* (coconut palm)  
    *Pandanus whitmeeanus* (screwpine, pandanus)  
    *Pritchardia pacifica* (Fiji island fan palm)  
    *Veitchia merrillii* (Manila palm)

**Pestalotiopsis** sp.

- Bischofia javanica* ('o'a)
- Carissa grandiflora* (natal plum)
- Cordyline terminalis* (ti)
- Dendrolobium umbellatum* (lala)
- Hedychium coronarium* (white ginger)
- Hibiscus tiliaceus* (beach hibiscus)
- Lycopersicon esculentum* (tomato)
- Nicolaia elatior* (torch ginger)
- Planchonella torricellensis* (mamalava)

**Pestalozziella** Sacc. & Ellis in Sacc. [Coelomycetes]

**Pestalozziella** sp.

- Pandanus whitmeeanus* (screwpine, pandanus)

**Phellinus** Quel. [Basidiomycetes, Aphyllophorales]

**Phellinus** noxius (Corner) G.H. Cunningham

- Ficus tinctoria* (dyer's fig)
- Hibiscus rosa-sinensis* (Hawaiian hibiscus)
- Macaranga harveyana* (lau pata, pata)
- Intsia bijuga* (ifilele)

**Phellinus** sp.

- Myristica fatua* (Samoan nutmeg)

**Phoma** Sacc., nom. cons. [Coelomycetes]

**Phoma** cucurbitacearum (Fr.:Fr.) Sacc.

- Cucumis sativus* (cucumber)
- Phoma erythrinicola** Tracy & Earle
- Erythrina subumbrans* (coral tree)
- Phoma** sp.
- Alocasia macrorrhiza* (giant taro)
- Euphorbia pulcherrima* (poinsettia)
- Solanum melongena* (eggplant, aubergine)

**Phomopsis** (Sacc.) Bubak [Coelomycetes]

**Phomopsis** sp.

- Euphorbia pulcherrima* (poinsettia)

**Phyllachora** Nitschke ex Fuckel, nom. cons. [Pyrenomycetes, Phyllachorales]

**Phyllachora** musicola Booth & Shaw

- Musa* hybrid (edible banana)

**Phyllosticta** Pers., nom. cons. [Coelomycetes]

**Phyllosticta** artocarpi Speg.

- Artocarpus altilis* (breadfruit)
- Phyllosticta** cordylines (Thuem.) Petrak & H. Sydow
- Cordyline terminalis* (ti)
- Phyllosticta** musarum (Cooke) van der Aa
- Musa* hybrid (edible banana)
- Phyllosticta** sp.
- Caladium x hortulanum* (caladium)

*Cocos nucifera* (coconut palm)  
*Cordyline terminalis* (ti)  
*Hibiscus rosa-chinensis* (China rose, Hawaiian hibiscus)  
*Spathoglottis plicata* (Philippine orchid)  
*Veitchia merrillii* (Manila palm)

***Physalospora*** Niessl [Pyrenomycetes, Amphisphaerales]

*Physalospora* sp.  
    *Artocarpus altilis* (breadfruit)  
    *Heliconia humilis* (lobster claw)  
    *Philodendron* sp. (heart-leaf philodendron)  
    *Theobroma cacao* (cacao)

***Phytophthora*** de Bary [Oomycetes, Peronosporales]

*Phytophthora colocasiae* Racib.  
    *Alocasia macrorrhiza* (giant taro)  
    *Colocasia esculenta* (taro)  
*Phytophthora parasitica* Dastur  
(*P. nicotianae* Breda de Haan var. *parasitica* (Dastur) G.M. Waterhouse)  
    *Capsicum annuum* (bell, Cayenne, chili pepper)

***Pseudocercospora*** Speg. [Hyphomycetes]

*Pseudocercospora cruenta* (Sacc.) Deighton  
    *Vigna unguiculata* subsp. *sesquipedalis* (yard-long bean)

***Pseudomonas*** Migula, 1894 [Pseudomonadaceae]

*Pseudomonas solanacearum* race 1 (Smith 1896) D.F. Smith, 1914  
    *Lycopersicon esculentum* (tomato)

***Puccinia*** Pers.:Pers. [Basidiomycetes, Uredinales]

*Puccinia canaliculata* (Schwein.) Lagerh.  
    *Cyperus rotundus* (purple nut sedge)  
*Puccinia oahuensis* Ellis & Everh.  
    *Digitaria setigera* (crab grass)  
*Puccinia* sp.  
    *Canna indica* (canna lily)

***Pythium*** Pringsh., nom. cons. [Oomycetes, Peronosporales]

*Pythium aphanidermatum* (Edson) Fitzp.  
    *Cucumis sativus* (cucumber)  
    *Zea mays* (corn, maize)  
*Pythium* sp.  
    *Brassica chinensis* var. *chinensis* (Chinese cabbage, pak-choi)  
    *Colocasia esculenta* (taro)  
    *Cucumis sativus* (cucumber)

***Radopholus*** Thorne, 1949 [Pratylenchidae, Pratylenchinae]

*Radopholus similis* (Cobb, 1893) Thorne, 1949  
    *Musa* hybrid (edible banana)

***Rhizoctonia*** DC. [Agonomycetes]

*Rhizoctonia solani* Kuhn  
*Cucumis sativus* (cucumber)

**Rhizopus** Ehrenb. [Zygomycetes, Mucorales]  
*Rhizopus stolonifer* (Ehrenb.:Fr.) Vuill.  
*Solanum melongena* (eggplant)

**Rhynchosphaeria** (Sacc.) Berl. [Pyrenomycetes, Sphaeriales]  
*Rhynchosphaeria* sp.  
*Planchonella torricellensis* (mamalava)

**Sclerotinia** Fuckel, nom. cons. [Discomycetes, Helotiales]  
*Sclerotinia sclerotiorum* (Lib.) de Bary  
*Lycopersicon esculentum* (tomato)

**Septoria** Sacc., nom. cons. [Coelomycetes]  
*Septoria* sp.  
*Cocos nucifera* (coconut palm)  
*Colocasia esculenta* (taro)  
*Heliconia psittacorum* (parrot flower)

**Sphaceloma** de Bary [ Coelomycetes]  
*Sphaceloma fawcettii* var. *scabiosa* (McAlp. & Tryon) Jenkins  
*Citrus* sp. (citrus)  
*Sphaceloma poinsettiae* Jenk. & Ruehle  
*Euphorbia pulcherrima* (poinsettia)

**Sphaerellopsis** Cooke [Coelomycetes]  
*Sphaerellopsis filum* (Biv.-Bern. ex Fr.) Sutton  
*Puccinia canaliculata* (rust on nut sedge and canna)  
*Uromyces appendiculatus* (rust on yard-long bean)  
Note: *Sphaerellopsis* is a mycoparasite of rust fungi.

**Uromyces** (Link) Unger, nom. cons. [Basidiomycetes, Uredinales]  
*Uromyces appendiculatus* (Pers.:Pers.) Unger  
*Vigna unguiculata* subsp. *sesquipedalis* (yard-long bean)  
*Uromyces bidenticola* Arth.  
*Bidens alba* (beggar's tick)

## FUNGUS PATHOGENS ON INSECTS

**Aspergillus** P. Mich. ex Link:Fr. [Hyphomycetes]

*Aspergillus* sp.

*Rodolia limbatus* (beetle)

*Aphis gossypii* (green peach aphid)

**Cladosporium** Link:Fr. [Hyphomycetes]

*Cladosporium* sp. — sooty mold

*Aphis gossypii* (on dead aphids)

**Fusarium** Link:Fr. [Hyphomycetes]

*Fusarium* sp.

*Rodolia limbata* (on dead beetles)

*Tarophagus proserpina* (on taro planthoppers)

**Metarhizium** (Metchnikoff) Sorokin [Hyphomycetales]

*Metarhizium anisopliae* (Metsch.) Sorokin

*Aphis gossypii* (on dead aphids)

**Paecilomyces** Bainier [Hyphomycetes]

*Paecilomyces fumosoroseus* (Wize) AHS Brown & G. Smith

*Icerya seychellarum* (breadfruit mealybug, Seychelles fluted scale)

**Trichoderma** Pers.:Fr. [Hyphomycetes]

*Trichoderma viride* Pers.:Fr.

*Aphis gossypii* (green peach aphid)

**Trichothecium** Link:Fr. [Hyphomycetes]

*Trichothecium* sp.

*Icerya seychellarum* (Seychelles fluted scale)

**Verticillium** Nees [Hyphomycetes]

*Verticillium lecanii* (A. Zimmerm.) Viegas

*Aphis gossypii* — (green peach aphid)

*Thrips palmi* — (palm thrips)

## ENGLISH AND SAMOAN PLANT NAMES, BOTANICAL EQUIVALENTS

'atone	<i>Myristica fatua</i>	black nightshade	<i>Solanum nigrum</i>
aubergine	<i>Solanum melongena</i>	bougainvillea	<i>Bougainvillea spectabilis</i>
'aute	<i>Hibiscus rosa-sinensis</i>	breadfruit	<i>Artocarpus altilis</i>
'avoca	<i>Persea americana</i>	cacao	<i>Theobroma cacao</i>
avocado	<i>Persea americana</i>	caladium	<i>Caladium x hortulanum</i>
banana	<i>Musa hybrids</i>	canna lily	<i>Canna indica</i>
beach hibiscus	<i>Hibiscus tiliaceus</i>	Chinese cabbage	<i>Brassica chinensis</i>
beach morning-glory	<i>Ipomoea pes-caprae</i>	citrus	<i>Citrus</i> spp.
beggar's-tick	<i>Bidens alba</i>	coconut palm	<i>Cocos nucifera</i>
bell, chili pepper	<i>Capsicum annuum</i>	coral tree	<i>Erythrina variegata</i>
bitter gourd	<i>Momordica charantia</i>	corn	<i>Zea mays</i>
bitter yam	<i>Dioscorea bulbifera</i>	crab grass	<i>Digitaria setigera</i>

crape-myrtle	<i>Lagerstroemia indica</i>	niu	<i>Cocos nucifera</i>
croton	<i>Codiaeum variegatum</i>	niu piu	<i>Pritchardia pacifica</i>
cucumber	<i>Cucumis sativus</i>	nutmeg, Samoan	<i>Myristica fatua</i>
dumbcane	<i>Diffenbachia</i> sp.	‘o’a	<i>Bischofia javanica</i>
dyer’s fig	<i>Ficus tinctoria</i>	pak-choi	<i>Brassica chinensis</i>
eggplant	<i>Solanum melongena</i>	paogo	<i>Pandanus whitmeeanus</i>
esi	<i>Carica papaya</i>	papaya	<i>Carica papaya</i>
fagamanu	<i>Canna indica</i>	paper-mulberry	<i>Broussonetia papyrifera</i>
fasa	<i>Pandanus whitmeeanus</i>	parrot flower	<i>Heliconia psittacorum</i>
fau	<i>Hibiscus tiliaceus</i>	pata	<i>Macaranga harveyana</i>
Fiji island fan palm	<i>Pritchardia pacifica</i>	Philippine orchid	<i>Spathoglottis plicata</i>
frangipani	<i>Plumeria</i> sp.	poinsettia	<i>Euphorbia pulcherrima</i>
fue kula	<i>Ipomoea pes-caprae</i>	polo	<i>Capsicum annuum</i>
fue mola	<i>Ipomoea pes-caprae</i>	primrose willow	<i>Ludwigia octovalvis</i>
fue saina	<i>Mikania micrantha</i>	pua fiti	<i>Plumeria</i> sp.
fue sina	<i>Ipomoea alba</i>	purple nut sedge	<i>Cyperus rotundus</i>
gatae	<i>Erythrina variegata</i>	rose	<i>Rosa chinensis</i>
gatae palagi	<i>Erythrina subumbrans</i>	sana	<i>Zea mays</i>
geranium-leaf aralia	<i>Polyscias guilfoylei</i>	screwpine	<i>Pandanus whitmeeanus</i>
giant taro	<i>Alocasia macrorrhiza</i>	soi	<i>Dioscorea bulbifera</i>
heart-leaf philodendron	<i>Philodendron</i> sp.	ta’amu	<i>Alocasia macrorrhiza</i>
hibiscus	<i>Hibiscus rosa-sinensis</i>	talo	<i>Colocasia esculenta</i>
ifilele	<i>Intsia bijuga</i>	tanitani	<i>Polyscias guilfoylei</i>
iris	<i>Iris</i> sp.	tapioca	<i>Manihot esculenta</i>
israeli	<i>Solanum melongena</i>	taro	<i>Colocasia esculenta</i>
kapsi	<i>Brassica chinensis</i>	tava	<i>Pometia pinnata</i>
koko	<i>Theobroma cacao</i>	teuila	<i>Hedychium coronarium</i>
kudzu	<i>Pueraria lobata</i>	ti	<i>Cordyline terminalis</i>
kukama	<i>Cucumis sativus</i>	tomato	<i>Lycopersicon esculentum</i>
lala	<i>Dendrolobium umbellatum</i>	torch ginger	<i>Nicolaia elatior</i>
lau fala	<i>Pandanus whitmeeanus</i>	u’a	<i>Broussonetia papyrifera</i>
lau pata	<i>Macaranga harveyana</i>	‘ulu	<i>Artocarpus altilis</i>
lipstick-tree	<i>Bixa orellana</i>	white ginger	<i>Hedychium coronarium</i>
loa	<i>Bixa orellana</i>	yard-long bean	<i>Vigna unguiculata</i>
lobster claw	<i>Heliconia</i> sp.		
ma’anunu	<i>Tarennia sambucina</i>		
mafoa	<i>Canarium harveyi</i>		
magalo	<i>Solanum nigrum</i>		
mago	<i>Mangifera indica</i>		
mamalava	<i>Planchonella torricellensis</i>		
mango	<i>Mangifera indica</i>		
Manila palm	<i>Veitchia merrillii</i>		
manioka	<i>Manihot esculenta</i>		
mati	<i>Ficus tinctoria</i>		
mile-a-minute vine	<i>Mikania micrantha</i>		
moli	<i>Citrus</i> spp.		
moon flower	<i>Ipomoea alba</i>		
moso’oi	<i>Cananga odorata</i>		
mumuta	<i>Cyperus rotundus</i>		
natal plum	<i>Carissa grandiflora</i>		
nephthytis	<i>Syngonium podophyllum</i>		

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**Willd.** — Willdenow, Carl Ludwig

## LIST OF HOST PLANTS BY FAMILY

Acanthaceae		Caricaceae	
<i>Pseuderanthemum</i>		<i>Carica</i>	
<i>Sanchezia</i>			
Agavaceae		Convolvulaceae	
<i>Cordyline</i>		<i>Ipomoea</i>	
Anacardiaceae		<i>Merremia</i>	
<i>Mangifera</i>		Cucurbitaceae	
Annonaceae		<i>Cucumis</i>	
<i>Cananga</i>		<i>Momordica</i>	
Apocynaceae		Cyperaceae	
<i>Carissa</i>		<i>Cyperus</i>	
<i>Plumeria</i>		Dioscoreaceae	
Araceae		<i>Dioscorea</i>	
<i>Alocasia</i>		Euphorbiaceae	
<i>Caladium</i>		<i>Bischofia</i>	
<i>Colocasia</i>		<i>Codiaeum</i>	
<i>Diffenbachia</i>		<i>Euphorbia</i>	
<i>Philodendron</i>		<i>Macaranga</i>	
<i>Syngonium</i>		<i>Manihot</i>	
Araliaceae		Fabaceae	
<i>Polyscias</i>		<i>Dendrolobium</i>	
Arecaceae		<i>Erythrina</i>	
<i>Cocos</i>		<i>Intsia</i>	
<i>Pritchardia</i>		<i>Pueraria</i>	
<i>Veitchia</i>		<i>Vigna</i>	
Asteraceae		Heliconiaceae	
<i>Bidens</i>		<i>Heliconia</i>	
<i>Mikania</i>		Iridaceae	
Bixaceae		<i>Iris</i>	
<i>Bixa</i>		Lauraceae	
Brassicaceae		<i>Persea</i>	
<i>Brassica</i>		Lythraceae	
Burseraceae		<i>Lagerstroemia</i>	
<i>Canarium</i>		Malvaceae	
Cannaceae		<i>Hibiscus</i>	
<i>Canna</i>			

	Zingiberaceae
Moraceae	<i>Hedychium</i>
<i>Artocarpus</i>	<i>Nicolaia (Phaeomeria)</i>
<i>Broussonetia</i>	
<i>Ficus</i>	
Musaceae	
<i>Musa</i>	
Myristicaceae	
<i>Myristica</i>	
Nyctaginaceae	
<i>Bougainvillea</i>	
Onagraceae	
<i>Ludwigia</i>	
Orchidaceae	
<i>Spathoglottis</i>	
Pandanaceae	
<i>Pandanus</i>	
Poaceae	
<i>Digitaria</i>	
<i>Zea</i>	
Rosaceae	
<i>Rosa</i>	
Rubiaceae	
<i>Tarennia</i>	
Rutaceae	
<i>Citrus</i>	
Sapindaceae	
<i>Pometia</i>	
Sapotaceae	
<i>Planchonella</i>	
Solanaceae	
<i>Capsicum</i>	
<i>Lycopersicon</i>	
<i>Solanum</i>	
Sterculiaceae	
<i>Theobroma</i>	

## LIST OF PATHOGENS RECORDED IN AMERICAN SAMOA

<i>Alternaria brassicicola</i>	<i>Cordana musae</i>
<i>Ascochyta</i> sp.*	<i>Corticium</i> sp.
<i>Aspergillus</i> sp.*	<i>Corynespora cassiicola</i>
<i>Asterina</i> sp.	<i>Curvularia</i> spp*
<i>Atractilina parasitica</i>	<i>Dactylaria</i> sp.
<i>Bipolaris micropus</i>	<i>Dendrophoma</i> sp.*
<i>Bipolaris stenospila</i>	<i>Diaporthe citri</i>
<i>Botryodiplodia palmarum</i>	<i>Didymella</i> sp.
<i>Botryosphaeria dothidea</i> *	<i>Diplodia fructus-pandani</i>
<i>Botryosphaeria</i> sp.*	<i>Diplodia</i> sp.
<i>Capnodium</i> sp.	<i>Distocercospora pachyderma</i>
<i>Cercospora althaeina</i> *	<i>Dothiorella</i> sp.*
<i>Cercospora bidentis</i>	<i>Elsinoe fawcettii</i>
<i>Cercospora bixae</i> *	<i>Endophyllum kaernbachii</i>
<i>Cercospora broussonetiae</i> *	<i>Erwinia carotovora</i> subsp. <i>carotovora</i> *
<i>Cercospora canescens</i>	<i>Erwinia</i> sp.*
<i>Cercospora capsici</i>	<i>Erysiphe cichoracearum</i>
<i>Cercospora catappae</i>	<i>Eudarluca caricis</i>
<i>Cercospora citrullina</i>	<i>Fulvia fulva</i>
<i>Cercospora coffeicola</i>	<i>Fusarium oxysporum</i>
<i>Cercospora ipomoeae</i>	<i>Fusarium pandani</i>
<i>Cercospora melongenae</i>	<i>Fusarium proliferatum</i>
<i>Cercospora mikaniicola</i>	<i>Fusarium</i> sp.*
<i>Cercospora polysciatis</i>	<i>Fusicoccum</i> sp.*
<i>Cercospora pudicae</i>	<i>Ganoderma australe</i>
<i>Cercospora sorghi</i>	<i>Ganoderma chalceum</i>
<i>Cercospora taccae</i>	<i>Ganoderma</i> sp.*
<i>Cercospora yoshinagiana</i>	<i>Gibberella fujikuroi</i>
<i>Cercospora zinniae</i>	<i>Gibberella intricans</i>
<i>Cercospora</i> spp.	<i>Gloeocercospora sorghi</i>
<i>Cercosporidium bougainvilleae</i> *	<i>Glomerella cingulata</i>
<i>Cercosporidium henningsii</i> *	<i>Glomerella tucumanensis</i>
<i>Chaetomella</i> sp.*	<i>Glomerella</i> spp.*
<i>Cintractia axicola</i>	<i>Gonatabotryum</i> sp.*
<i>Cladosporium colocasiae</i>	<i>Goplana dioscoreae</i>
<i>Cladosporium</i> sp.*	<i>Guignardia dioscoreae</i>
<i>Cochliobolus heterostrophus</i>	<i>Guignardia morindae</i>
<i>Cochliobolus pallescens</i>	<i>Guignardia musae</i>
<i>Cochliobolus verruculosus</i>	<i>Guignardia</i> sp.*
<i>Coleosporium plumeriae</i> *	<i>Haplobasidion musae</i>
<i>Colletotrichum capsici</i>	<i>Hemileia vastatrix</i>
<i>Colletotrichum dematium</i>	<i>Hypoxyロン deustum</i>
<i>Colletotrichum gloeosporioides</i> *	<i>Hypoxyロン mediterraneum</i>
<i>Colletotrichum graminicola</i>	<i>Lasiodiplodia theobromae</i> *
<i>Colletotrichum higginsianum</i>	<i>Leptosphaeria sacchari</i>
<i>Colletotrichum orbiculare</i>	<i>Leptosphaeria</i> sp.*
<i>Colletotrichum</i> spp.*	<i>Leptosphaerulina trifolii</i> *
<i>Coniothyrium perrottianum</i>	<i>Lophodermium</i> sp.*
<i>Coniothyrium</i> sp.	<i>Macrophoma pandani</i>

Macrophoma sp.*	Phyllachora paspalicola
Magnaporthe grisea	Phyllachora setariicola
Marasmiellus inoderma	Phyllosticta artocarpi*
Marasmiellus semiustus	Phyllosticta cordylinea
Marasmiellus stenophyllus*	Phyllosticta musarum
Marasmiellus spp.*	Phyllosticta spp.*
Marasmius sp.	Physalospora rhodina
Meliola evodiae	Physalospora sp.*
Meliola panici	Phytophthora colocasiae
Meliolina samoensis	Phytophthora infestans
Metarhizium anisopliae*	Phytophthora nicotiane var. parasitica
Mycosphaerella alocasiae	Phytophthora palmivora
Mycosphaerella cruenta	Pseudocercospora ablemoschi
Mycosphaerella fijiensis	Pseudocercospora borrhiae
Mycosphaerella gastonis	Pseudocercospora colocasiae
Mycosphaerella henningsii	Pseudocercospora cruenta*
Mycosphaerella horii	Pseudocercospora jatropheae
Mycosphaerella musicola	Pseudocercospora sawadae
Mycosphaerella rosicola	Pseudocercospora stahlii
Mycosphaerella spp.*	Pseudocercospora synedrellae
Mycovellosiella koepkei	Pseudocercospora timorensis
Myrothecium roridum	Pseudocercospora sp.
Nectria haematacocca*	Pseudoepicoccum cocos
Nectria jungneri	Pseudomonas solanacearum
Nectria ochroleuca	Pseudomonas solanacearum race 1*
Nectria rigidiuscula	Pseudoperonospora cubensis
Nectria sp.	Puccinia canaliculata*
Neojohnstonia colocasiae	Puccinia cenchri
Oidium sp.	Puccinia cyperi
Paecilomyces fumosoroseus*	Puccinia fimbriostyliidis
Paraphaeosphaeria michotii	Puccinia kuehnii
Pellicularia koleroga	Puccinia lepturi
Penicillium digitatum	Puccinia melanocephala
Periconiella perseae	Puccinia miscanthi
Peronospora parasitica	Puccinia oahuensis
Pestalotiopsis mangiferae*	Puccinia operta
Pestalotiopsis palmarum	Puccinia polysora
Pestalotiopsis sp.*	Pythium aphanidermatum*
Pestalozziella sp.*	Pythium sp.*
Phanerochaeta salmonicolor	Ramichloridium musae
Phellinus lamaensis	Ravenelia sessilis
Phellinus noxius	Rhizoctonia solani*
Phoma cucurbitacearum*	Rhizoctonia sp.
Phoma erythrinicola*	Rhizopus stolonifer*
Phoma fructus-pandani	Rhynchosphaeria sp.*
Phoma martellii	Rigidoporus microporus
Phoma spp.*	Sclerotinia sclerotiorum*
Phomopsis palmicola	Septobasidium separans
Phomopsis sp.*	Septoria eburnea
Phyllachora afzeliae	Septoria sp.*
Phyllachora musicola	Setosphaeria monoceras

*Sphaceloma fawcettii* var. *scabiosa*\*  
*Sphaceloma poinsettiae*\*  
*Sphaerellopsis filum*\*  
*Stagonospora* sp.  
*Stemphylium solani*  
*Stigmina mangiferae*  
*Synchytrium minutum*  
*Thanatephorus cucumeris*  
*Trametes hemitephra*  
*Trametes menziesii*  
*Trametes* sp.\*  
*Trichoderma viride*\*  
*Trichothecium* sp.\*  
*Uredo artocarpi*  
*Uredo dioscoreae-sativae*  
*Uredo musae*  
*Uredo pseudocannae*  
*Uredo* sp.  
*Uromyces appendiculatus*\*  
*Uromyces bidenticola*  
*Uromyces dactyloctenii*  
*Uromyces setariae-italicae*  
*Uromyces tenuicutis*  
*Uromyces vignae*  
*Ustilago zea*  
*Verticillium lecanii*\*  
*Xanthomonas campestris* pv. *campestris*  
*Xanthomonas campestris* pv. *phaseoli*

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\* Identifications by the author, 1999-2000

## BIBLIOGRAPHY

- Arauz, L.F. 2000. Mango anthracnose: Economic impact and current options for integrated management. *Plant Disease* 84(6): 600-611.
- Barbetti, M.J. 1991. Effects of temperature and humidity on diseases caused by *Phoma medicaginis* and *Leptosphaerulina trifolii* in lucerne (*Medicago sativa*). *Plant Pathology* 40: 296-301.
- Barnett, H.L. and Hunter, B.B. 1998. Illustrated genera of imperfect fungi, 4<sup>th</sup> ed. APS Press: St. Paul, MN, USA.
- Barr, M.E. 1970. Some amerosporous ascomycetes on ericaceae and empetraceae. *Mycologia* 62(2): 377-394.
- Barr, M.E. 1976. *Buergenerula* and the physosporellaceae. *Mycologia* 68(3): 611-621.
- Barreto, R.W. and Evans, H.C. 1995. Mycobiota of the weed *Cyperus rotundus* in the state of Rio de Janeiro, with an elucidation of its associated *Puccinia* complex. *Mycological Research* 99(4): 407-419.
- Booth, C. and Pirozynski. 1967. *Leptosphaerulina trifolii*. CMI descriptions of pathogenic fungi and bacteria, No. 146. Commonwealth Mycological Institute: Kew, Surrey, UK.
- Borah, R.K., Dutta, D. and Hazarika, P. 1998. Three new Phyllachora leaf spots from Assam. *Indian Journal of Forestry* 21(3): 256-258.
- Brady, B.L.K. 1979a. *Metarhizium anisopliae*. CMI descriptions of pathogenic fungi and bacteria, No. 609. Commonwealth Mycological Institute: Kew, Surrey, UK.
- Brady, B.L.K. 1979b. *Verticillium lecanii*. CMI descriptions of pathogenic fungi and bacteria, No. 610. Commonwealth Mycological Institute: Kew, Surrey, UK.
- Brooks, F.E. 2000. Incidence and distribution of Banana Bunchy Top Virus in American Samoa. *Journal of South Pacific Agriculture*. (in press)
- Brown, A.H.S. and Smith, G. 1957. The genus *Paecilomyces* Bainier and its perfect stage *Byssochlamys* Westling. *Transactions of the British Mycological Society* 40(1): 17-89.
- Callaway, M.B., Phatak, S.C. and Wells, H.D. 1985. Studies on alternate hosts of the rust *Puccinia canaliculata*, a potential biological control agent for nutsedges. *Plant Disease* 69: 924-926.
- Chang, T.T. 1995. Decline of nine tree species associated with brown root rot caused by *Phellinus noxius* in Taiwan. *Plant Disease* 79: 962-965.
- Chang, T.T. and Yang, W.W. 1997. *Phellinus noxius* in Taiwan: distribution, host plants and the pH and texture of the rhizosphere soils of infected hosts. Paper No. 92, Taiwan Forestry Research Institute: Taipei, Taiwan.
- Chase, A.R. and Broschat, T.K., eds. 1991. Diseases and disorders of ornamental palms. APS Press: St. Paul, MN, USA.

- Cummins, G.B. and Hiratsuka, Y. 1996. Illustrated genera of rust fungi. APS Press: St. Paul, MN, USA.
- Deighton, F.C. 1967. Studies on *Cercospora* and allied genera. II. Mycological Papers, No. 112, Commonwealth Mycological Institute, Kew, Surrey, UK.
- Deighton, F.C. 1985. Some species of *Nodulisporium*. Transactions of the British Mycological Society 85(3): 391-395.
- Dumbleton, L.J. 1954. A list of plant diseases recorded in South Pacific Territories, Technical Paper 78. South Pacific Commission: Noumea, New Caledonia.
- Ellett, C.W. 1989. Curvularia blight of *Ophioglossum vulgatum*. Mycologia 81(5): 815-817.
- Ellis, M.B. 1971. Dematiaceous hyphomycetes. Commonwealth Mycological Institute: Kew, Surrey, UK.
- Ellis, M.B. 1976. More dematiaceous hyphomycetes. Commonwealth Mycological Institute: Kew, Surrey UK.
- Ellis, M.B. and Holliday, P. 1972. *Cordana musae*. CMI descriptions of pathogenic fungi and bacteria, No. 350. Commonwealth Mycological Institute: Kew, Surrey, UK.
- Erwin, D.C. and Ribeiro, O.K. 1996. Phytophthora diseases worldwide. APS Press: St. Paul, MN.
- Farr, D.F., Bills, G.F., Chamuris, G.P. and Rossman, A.Y. 1989. Fungi on plants and plant products in the United States. APS Press: St. Paul, MN, USA.
- Fidalgo, O. 1968. *Phellinus pachyphloeus* and its allies. Memoirs of the New York Botanical Garden 17(2): 109-147.
- Firman, I.D. 1975. Plant diseases in the area of the South Pacific Commission: 2. American Samoa. South Pacific Commission: Noumea, New Caledonia.
- Gardner, D.E. 1994. The native rust fungi of Hawaii. Canadian Journal of Botany(7) 72:976-989.
- Graf, A.B. 1992. Tropica, 4<sup>th</sup> ed. Roehrs Company, East Rutherford, NJ., USA.
- Graham, J.H. and Luttrell, E.S. 1961. Species of *Leptosphaerulina* on forage plants. Phytopathology 51: 680-693.
- Grandison, G.S. 1996. Plant-parasitic nematodes of American Samoa, Technical Paper No. 205. South Pacific Commission: Noumea, New Caledonia.
- Hanlin, R.T. 1990. Illustrated genera of ascomycetes, Vol. I. APS Press: St. Paul, MN, USA.
- Hanlin, R.T. 1998a. Illustrated genera of ascomycetes, Vol. II. APS Press: St. Paul, MN, USA.
- Hanlin, R.T. 1998b. Combined keys to illustrated genera of ascomycetes: Vols. I & II. APS Press: St. Paul, MN, USA.

- Hawksworth, D.L., Kirk, P.M., Sutton, B.C. and Pegler, D.N. 1995. Ainsworth & Bisby's dictionary of the fungi, 8<sup>th</sup> ed. CAB International: Wallingford, UK.
- Huang, S. and Liu, Xiujuan. 1995. Control of postharvest stem end rot of mango. Tropical Science, 35: 321-326.
- Irwin, J.A.G. and Davis, R.D. 1985. Taxonomy of some *Leptosphaerulina* spp. on legumes in Eastern Australia. Australian Journal of Botany 33: 233-237.
- Jones, J.B., Jones, J.P., Stall, R.E. and Zitter, T.A., eds. 1991. Compendium of tomato diseases. APS Press: St. Paul, MN, USA.
- Keener, P.D. 1934. Biological specialization in *Darluca filum*. Bulletin of the Torrey Botanical Club 61(9): 475-491.
- Khalil, S.K. and Taborsky, V. 1982. The effect of different media on the growth and sporulation of the entomopathogenic fungus *Verticillium lecanii* (Zimm.) Viegas. Agricultura Tropica et Subtropica, Universitas Agriculturae, Praga: 251-261.
- Kohler, F., Pellegrin, F., Jackson, G. and McKenzie, E. 1997. Diseases of cultivated crops in Pacific Island countries. South Pacific Commission: Noumea, New Caledonia.
- Lee, S.S. and Zakaria, M. 1993. Fungi associated with heart rot of *Acacia mangium* in Peninsular Malaysia. Journal of Tropical Forest Science 5(4): 479-484.
- Leung, H.Y.M., Goh, T.K. and Hyde, K.D. 1997. *Cercospora mikaniacola*. IMI descriptions of fungi and bacteria No. 1311. International Mycological Institute, Egham, Surrey, UK.
- Magee, C.J. 1967. The control of banana bunchy top, Technical Paper No. 150. South Pacific Commission: Noumea, New Caledonia.
- Mai, W.F. and Mullin P.G. 1996. Plant-parasitic nematodes: A pictorial key to genera, 5<sup>th</sup> ed. Cornell University Press, Ithaca NY.
- McKenzie, E.H.C. 1996. Fungi, bacteria and pathogenic algae on plants in American Samoa, Technical Paper No. 206. South Pacific Commission: Noumea, New Caledonia.
- McKenzie, E.H.C. and Jackson, G.V.H. 1990. The fungi, bacteria and pathogenic algae of the Federated States of Micronesia. South Pacific Commission: Noumea, New Caledonia.
- Mordue, J.E.M. 1971. *Glomerella cingulata*. CMI descriptions of pathogenic fungi and bacteria, No. 315. Commonwealth Mycological Institute: Kew, Surrey, UK.
- Mordue, J.E.M. 1980. *Pestalotiopsis mangiferae*. CMI descriptions of pathogenic fungi and bacteria, No. 676. Commonwealth Mycological Institute: Kew, Surrey, UK.
- Mordue, J.E.M. and Holliday, P. 1971. *Pestalotiopsis palmarum*. CMI descriptions of pathogenic fungi and bacteria, No. 319. Commonwealth Mycological Institute: Kew, Surrey, UK.
- Mulder, J.L. and Holliday, P. 1974a. *Mycosphaerella fijiensis*. CMI descriptions of pathogenic fungi and bacteria, No. 413. Commonwealth Mycological Institute: Kew, Surrey, UK.

- Mulder, J.L. and Holliday, P. 1974b. *Mycosphaerella musicola*. CMI descriptions of pathogenic fungi and bacteria, No. 414. Commonwealth Mycological Institute: Kew, Surrey, UK.
- Nandris, D., Nicole, M. and Geiger, J.P. 1987. Root rot disease of rubber trees. Plant Disease 71(4): 298-306.
- Olanya, O.M. and Campbell, C.L. 1990. Isolate characteristics and epidemic components of *Leptosphaerulina* leaf spots on alfalfa and white clover. Phytopathology 80: 1278-1282.
- Onions, A.H.S. 1979a. *Paecilomyces farinosus*. CMI descriptions of pathogenic fungi and bacteria, No. 613. Commonwealth Mycological Institute: Kew, Surrey, UK.
- Onions, A.H.S. 1979b. *Paecilomyces fumosoroseus*. CMI descriptions of pathogenic fungi and bacteria, No. 614. Commonwealth Mycological Institute: Kew, Surrey, UK.
- Onions, A.H.S. and Barron, G.L. 1967. Monophialidic species of *Paecilomyces*. Mycological Papers, No. 107, Commonwealth Mycological Institute, Kew, Surrey, UK.
- Pegler, D.N. and Waterston, J.M. 1968a. *Phellinus noxius*. CMI descriptions of pathogenic fungi and bacteria, No. 195. Commonwealth Mycological Institute: Kew, Surrey, UK.
- Pegler, D.N. and Waterston, J.M. 1968b. *Rigidoporus zonalis*. CMI descriptions of pathogenic fungi and bacteria, No. 200. Commonwealth Mycological Institute: Kew, Surrey, UK.
- Ploetz, R.C., Zentmyer, G.A., Nishijima, W.T., Rohrbach, K.G. and Ohr, H.D., eds. 1994. Compendium of tropical fruit diseases. APS Press: St. Paul, MN, USA.
- Punithalingam, E. and Holliday, P. 1973. *Botryosphaeria ribis*. CMI descriptions of pathogenic fungi and bacteria, No. 395. Commonwealth Mycological Institute: Kew, Surrey, UK.
- Raabe, R.D., Conners, I.L. and Martinez, A.P. 1981. Checklist of plant diseases in Hawaii. College of Tropical Agriculture and Human Resources, University of Hawai'i at Manoa: Honolulu, HI.
- Singh, S., Bola, I. and Kumar, J. 1980. Diseases of plantation trees in Fiji Islands: 1. Brown root rot of mahogany (*Swietenia macrophylla* King). Indian Forester: 526-533.
- Sivanesan, A. 1984. The bitunicate ascomycetes and their anamorphs. J. Cramer: Vaduz, Germany.
- Sivanesan, A. and Critchett, C. 1974. *Elsinoe fawcettii*. CMI descriptions of pathogenic fungi and bacteria, No. 438. Commonwealth Mycological Institute: Kew, Surrey, UK.
- Statistics Division, Department of Commerce. 1996. American Samoa statistical yearbook. American Samoa Government: Pago Pago, American Samoa.
- Style Manual Committee, Council of Biology Editors. 1994. Scientific style and format: The CBE manual for authors, editors, and publishers, 6<sup>th</sup> ed. Cambridge University Press: Cambridge, UK.
- Sutton, B.C. 1969. Forest microfungi. III. The heterogeneity of *Pestalotia* deNot. section sexloculate Klebahn sensu Guba. Canadian Journal of Botany 47: 2083-2094.

- Sutton, B.C. 1980. The coelomycetes. Commonwealth Mycological Institute: Kew, Surrey, UK.
- Swendsrud, D.P. and Calpouzos, L. 1970. Rust uredospores increase the germination of pycnidiospores of *Darluca filum*. *Phytopathology* 60: 1445-1447.
- Vidal, C., Lacev, L.A. and Fargues, J. 1997. Pathogenicity of *Paecilomyces fumosoroseus* (Deuteromycotina: Hyphomycetes) against *Bemisia argentifolii* (Homoptera: Aleyrodidae) with a description of a bioassay method. *Journal of Economic Entomology* 90(3): 765-772.
- Waterhouse, D.F. and Norris, K.R. 1987. Biological control: Pacific prospects. Inkata Press: Melbourne.
- Waterhouse, G.M. and Waterston, J.M. 1964. *Pythium aphanidermatum*. CMI descriptions of pathogenic fungi and bacteria, No. 36. Commonwealth Mycological Institute: Kew, Surrey, UK.
- Whistler, W.A. 1984. Annotated list of Samoan plant names. *Economic Botany* 38(4): 464-489.
- Whistler, W.A. 1992. Flowers of the Pacific island seashore. University of Hawaii Press: Honolulu, HI.
- Whistler, W.A. 1994a. Botanical inventory of the proposed Tutuila and Ofu units of the National Park of American Samoa, Technical Report 87. Cooperative National Park Resources Studies Unit, University of Hawai'i at Manoa: Honolulu, HI.
- Whistler, W.A. 1994b. Wayside plants of the islands: A guide to the lowland flora of the Pacific Islands. Everbest Printing Company: Hong Kong.
- Wingert, E.A. (project director). 1981. A coastal zone management atlas of American Samoa. University of Hawai'i Cartographic Laboratory: Honolulu, HI.
- Yudin, L. and Schlub, R. 1998. Guam cucurbit guide. University of Guam, UOG Station: Mangilao, Guam.
- Zitter, T.A., Hopkins, D.L. and Thomas, C.E., eds. 1996. Compendium of cucurbit diseases. APS Press: St. Paul, MN, USA.