

New Plant Disease Records for Sarawak for 1972

by

KUEH TIONG-KHENG

Department of Agriculture, Sarawak, E. Malaysia

This list of new plant disease records for Sarawak is a follow-up of those given by Johnston (1960), Turner (1963, 1964, 1966, 1967, 1969 and 1971) and Kueh (1973). It consists of fungal diseases together with diseases caused by algae and plant parasitic nematodes, collected and investigated by the writer during the year 1972. Sixteen of these records appear in the Annual Report of the Research Branch, Department of Agriculture, Sarawak, for the year 1972.

The microorganisms are arranged under their respective host plants which are listed alphabetically under their botanical names. For each host plant a common name and a Malay name are given where available. The frequency of occurrence of a disease is given together with the Commonwealth Mycological Institute Herbarium serial number, where identification has been carried out by the Institute. Identifications performed by the Royal Botanic Gardens, Kew, and Commonwealth Institute of Helminthology, Herts, are indicated by Kew and CIH respectively.

In the list that follows, *One*, *Occ.*, *Comm.* stand for *one record*, *occasionally* and *common* respectively.

<i>Acacia auriculaeformis</i> A. Cunn. ex Benth. (Black Wattle)			
Pink disease	<i>Corticium salmonicolor</i> Berk. & Br.	One	—
<i>Ageratum conyzoides</i> Linn. (Rumput Tahi Ayam)			
Leaf rot and Dieback	<i>Choanephora cucurbitarum</i> (Berk. & Rav.) Thaxt.	Occ.	171127
Thread blight	<i>Marasmius pulcher</i> (Berk. & Br.) Petch	One	—
<i>Allium cepa</i> L. (Onion, Bawang)			
Leaf blight	<i>Alternaria tenuissima</i> (Kunze ex Pers.) Wiltshire	Occ.	168326b
Leaf blight	<i>Colletotrichum circinans</i> (Berk.) Vogl.	Occ.	168326c
Leaf blight	<i>Curvularia eragrostidis</i> (P. Henn.) J. A. Meyer	Occ.	168326a
Leaf blight	<i>Curvularia penniseti</i> (Mitra) Boedijn	Occ.	168326e
Leaf blight	<i>Glomerella cingulata</i> (Stonem.) Spauld. & Schrenk	Occ.	168326g
Leaf blight	<i>Nigrospora sacchari</i> (Speg.) Mason	Occ.	168326f
Leaf rot	<i>Choanephora cucurbitarum</i> (Berk. & Rav.) Thaxt.	One	—
<i>Ananas cosmosus</i> Merr. (Pineapple, Nanas)			
Leaf blight	<i>Botryodiplodia theobromae</i> Pat.	One	174347a
Leaf blight	<i>Phomopsis</i> sp.	One	174347b
<i>Areca catechu</i> Linn. (Betel Palm, Pinang)			
Frond base decay	<i>Marasmiellus inoderma</i> (Berk.) Singer	One	Kew

<i>Artocarpus heterophyllus</i> Lam. (Jackfruit, Nangka)		
Inflorescence rot	<i>Rhizopus artocarpī</i> Racib.	One —
<i>Asparagus officinalis</i> Linn. (Asparagus, Saparu Keras)		
Stem blight	<i>Phoma herbarum</i> Westend.	One 168321
<i>Bassia latifolia</i> Roxb. (Indian Butter Tree, Mowa Tree)		
Red rust	<i>Cephaleuros virescens</i> Kunze	Occ. 171125a
Sooty mould	<i>Trichomerium? crotonis</i> Bat.	One 171125b
Sooty mould	<i>Tripospermum</i> sp.	One 171125b
Sooty mould	<i>Phaeosaccardinula? tenuis</i> (Earle) Seaver & Chardon	One 171125b
<i>Begonia</i> sp.		
Root knot	<i>Meloidogyne incognita</i> (Kofoid & White, 1919) Chitwood, 1949.	Occ. CIH
Root knot	<i>Meloidogyne javanica</i> (Treub, 1885) Chitwood, 1949.	Occ. CIH
On root	<i>Helicotylenchus dihystra</i> (Cobb, 1893) Sher, 1961	Occ. CIH
<i>Bixa orellana</i> L. (Anatto, Kesumba Keling)		
Stem lesion	<i>Cephaleuros virescens</i> Kunze	One —
<i>Borreria latifolia</i> Schum. (Broad Leaved Button-Weed, Rumput Setawar)		
Leaf blight	<i>Curvularia borrieriae</i> (Viégas) M. B. Ellis	Occ. 173903
<i>Brassica chinensis</i> Linn. (Chinese Cabbage, Pak Choy, Sawi Putih)		
Leaf spot	<i>Peronospora parasitica</i> (Pers. ex Fr.) Fr.	One 168330
<i>Brassica oleracea</i> var. <i>capitata</i> Linn. (Cabbage, Pow Chai)		
Circular spot	<i>Alternaria brassicicola</i> (Schw.) Wiltshire	One 171119a
Circular spot	<i>Leptosphaerulina trifolii</i> (Rostr.) Petr.	One 171119b
<i>Canarium odoratum</i> Baill. (Kenanga)		
Sooty mould	<i>Meliola canangae</i> Stev.	Occ. 171124
<i>Carica papaya</i> Linn. (Papaya, Betik)		
Fruit anthracnose	<i>Cladosporium oxysporum</i> Berk. & Curt.	One 166644b
<i>Celosia argentea</i> Linn.		
Leaf speckle & Inflorescence mould	<i>Cercospora celosiarum</i> Kar & Mandal	Comm. 168915
<i>Celosia cristata</i> Linn. (Cockscomb)		
Leaf spot	<i>Cochliobolus geniculatus</i> Nelson	Occ. 168907a
Leaf spot	<i>Phyllosticta celosiae</i> Thüm.	Occ. 168907b
<i>Chrysanthemum</i> sp.		
Leaf blight	<i>Stemphylium lycopersici</i> (Enjoji) Yamamoto	One 173904
Leaf blight	<i>Cochliobolus geniculatus</i> Nelson	One 174346a
Leaf blight	<i>Phomopsis</i> sp.	One 174346b
<i>Citrullus vulgaris</i> L. (Water Melon, Semangka)		
Leaf spot	<i>Cercospora citrullina</i> Cooke	Comm. 168317
Fruit rot	<i>Cochliobolus geniculatus</i> Nelson	Occ. 172113
Fruit rot	<i>Curvularia senegalensis</i> (Speg.) Subram.	Occ. 167057

<i>Citrus aurantifolia</i> (Christm.) Swingle (Lime, Limau Masam)		
Red rust	<i>Cephaleuros virescens</i> Kunze	Comm. —
<i>Citrus grandis</i> (L.) Osb. (Pomelo, Limau Besar)		
Dieback	<i>Fusarium coccophilum</i> (Desm.) Wr.	One 163736
Velvet blight	<i>Septobasidium lepidosaphis</i> Couch	Occ. 168911
Gummosis	<i>Phytophthora nicotianae</i> B. de Haan var. <i>parasitica</i> (Dastur) Waterh.	Occ. 167053
<i>Citrus nobilis</i> Lour. (Mandarin Orange, Limau Cina)		
Leaf rot	<i>Corticium solani</i> (Prill. & Delacr.) Bourd. & Galz.	One —
<i>Citrus sinensis</i> Osb. (Sweet Orange, Limau Manis)		
Dieback	<i>Botryodiplodia theobromae</i> Pat.	Comm. 166649
<i>Cocos nucifera</i> L. (Coconut, Kelapa, Nyiur)		
Leaf mould	<i>Pseudoepicoccum cocos</i> (F. L. Stevens) M. B. Ellis	Occ. 166651c
<i>Cucurbita pepo</i> DC. (Pumpkin, Buah Labu)		
Leaf spot	<i>Cercospora citrullina</i> Cooke	One 171121
<i>Curcuma domestica</i> Valetton (Turmeric, Kunyit)		
Sclerotial wilt	<i>Corticium rolfsii</i> Curzi	One —
<i>Desmodium umbellatum</i> (L.) DC. (Sea Parkia, Petai Laut)		
Leaf spot	<i>Cercospora</i> sp.	One 168912
<i>Dieffenbachia sequina</i> L. (Dumbcane)		
Leaf blotch	<i>Macrophomina phaseolina</i> (Tassi) Goid	Occ. 173900
<i>Digitaria marginata</i> Link		
Leaf spot	<i>Pyricularia grisea</i> (Cooke) Sacc.	One 173902
<i>Dracaena sanderiana</i> Hort. Sand		
Leaf blight	<i>Stemphylium lycopersici</i> (Enjoji) Yamamoto	One 171117a
Leaf blight	<i>Glomerella cingulata</i> (Stonem.) Spauld. & Schrenk	One 171117b
<i>Durio zibethinus</i> Murr. (Durian)		
Sooty mould	<i>Capnodium moniliforme</i> Fraser	One 174350
<i>Elaeis guineensis</i> Jacq. (Oil Palm, Kelapa Sawit)		
Frond base rot	<i>Porogramme ravenalae</i> (Berk. & Br.) Pat.	One Kew
<i>Elettaria cardamomum</i> Maton (Cardamom)		
Leaf spot	<i>Phaeotrichoconis crotalariae</i> (Salam & Rao) Subram.	Occ. 171115
Sooty mould	? <i>Asbolisia</i> sp.	One 171116
Sooty mould	? <i>Microxyphium</i> sp.	One 171116
Sooty mould	? <i>Cladosporium</i> sp.	One 171116
<i>Erechtites hieraciifolia</i> Rafin.		
Leaf spot	<i>Colletotrichum</i> sp.	One 168908a
<i>Erechtites valerianifolia</i> DC. (Malayan Groundsel)		
Leaf spot	<i>Cercospora erechitis</i> Atkinson	Comm. 168909 & 173899

<i>Eugenia aromatica</i> Kuntze (Clove, Cengkih)			
Red rust	<i>Cephaleuros virescens</i> Kunze	Comm.	168328
<i>Ficus</i> sp.			
Thread blight	<i>Marasmiellus scandens</i> (Mass.) Dennis & Reid	One	—
<i>Gerbera jamesonii</i> Bolus (Barberton Daisy)			
Leaf spot	<i>Cercospora gerberae</i> Chupp & Viégas	One	174344
<i>Glycine max</i> (L.) Merr. (Soybean, Kacang Bulu Limau)			
Leaf blight	<i>Negrospora sphaerica</i> (Sacc.) Mason	One	173907a
Leaf blight	<i>Botryodiplodia theobromae</i> Pat.	One	173907g
Leaf blight	<i>Cladosporium cladosporioides</i> (Fresen.) de Vries	One	173907f
Leaf blight	<i>Cochliobolus lunatus</i> Nelson & Haasis	One	173907d
Leaf blight	<i>Cochliobolus geniculatus</i> Nelson	One	173907e
Leaf blight	<i>Phaeoseptoria</i> sp.	One	173907h
Pod spotting	<i>Cercospora kikuchii</i> (Mat. & Tom.) Gardner	One	168325
Root disease	<i>Marasmiellus inoderma</i> (Berk.) Singer	One	Kew
<i>Hibiscus esculentus</i> L. (Ladies' Fingers, Kacang Lender)			
Root knot	<i>Meloidogyne incognita</i> (Kofoed & White, 1919) Chitwood, 1949.	One	CIH
Root lesion	<i>Practylenchus brachyurus</i> (Godfrey, 1929) Filipjev & Schuurmans Stekhoven, 1941	One	CIH
<i>Hibiscus syriacus</i> Linn.			
White root disease	<i>Fomes lignosus</i> (Klotzsch) Bres.	One	—
<i>Hydrangea hortensia</i> Siebold			
Leaf spot	<i>Corynespora cassiicola</i> (Berk. & Curt.) Wei	One	171126a
Leaf spot	<i>Cercospora hydrangeae</i> Ell. & Ev.	One	171126b
<i>Impatiens balsamina</i> L. (Balsam)			
Stem blight	<i>Glomerella cingulata</i> (Stonem.) Spauld. & Schrenk	Occ.	168906a
<i>Imperata cylindrica</i> Beauv. (Lalang)			
Thread blight	<i>Marasmius pulcher</i> (Berk. & Br.) Petch	One	Kew
<i>Ischaemum digitatum</i> Brongn.			
Leaf spot	<i>Colletotrichum graminicola</i> (Ces.) Wilson	One	166640
<i>Ischaemum magnum</i> Rendle			
False smut	<i>Sphacelotheca hainanae</i> Zundel	Occ.	166687
<i>Lycopersicum esculentum</i> Mill. (Tomato)			
Leaf rot	<i>Choanephora cucurbitarum</i> (Berk. & Rav.) Thaxt.	One	—
<i>Mangifera indica</i> Linn. (Indian Mango)			
Premature fruit drop	<i>Glomerella cingulata</i> (Stonem.) Spauld. & Schrenk	One	166650

<i>Mangifera foetida</i> Lour. (Horse Mango, Bacang)		
Leaf spot	<i>Coniothyrium fuckelii</i> Sacc.	One 166646c
Grey leaf blight	<i>Pestalotiopsis</i> sp.	One 166646d
Leaf spot	<i>Glomerella cingulata</i> (Stonem.) Spauld. & Schrenk	One 166646b
Leaf spot	<i>Phomopsis mangiferae</i> Ahmad	One 166646a
<i>Melastoma malabathricum</i> L. (Singapore Rhododendron, Engkodok)		
Sooty mould	<i>Trichomerium</i> sp.	Occ. 168318
<i>Michelia alba</i> DC. (Cempaka Putih)		
Red rust	<i>Cephaleuros virescens</i> Kunze	Occ. —
<i>Morus alba</i> Linn. (Mulberry)		
Leaf mould	<i>Cercospora mori</i> Hara	Comm. 168319
Leaf spot	<i>Cercospora</i> sp.	One 163735
Cutting necrosis	<i>Colletotrichum capsici</i> (Syd.) Butler & Bisby	One 167054a
<i>Nephelium lappaceum</i> L. (Rambutan)		
Root rot	<i>Sphaerostilbe repens</i> Berk. & Br.	One —
Rim blight	<i>Pestalotiopsis cruenta</i> (Syd.) Steyaert	Comm. 166648
Rim blight	<i>Pestalotiopsis</i> sp.	Occ. 173905a
<i>Oryza sativa</i> L. (Rice, Padi)		
On panicle	<i>Tetraploa aristata</i> B. & Br.	One —
<i>Passiflora edulis</i> Sims (Passion Fruit)		
Flower blight	<i>Choanephora cucurbitarum</i> (Berk. & Rav.) Thaxt.	One —
<i>Pennisetum purpureum</i> Schumach. (Napier Grass)		
Leaf spot	<i>Curvularia leonensis</i> M. B. Ellis	One 166645a
Leaf spot	<i>Nigrospora sphaerica</i> (Sacc.) Mason	One 166645b
<i>Phaseolus atropurpureus</i> (Moc. & Sesse) ex DC.		
Leaf & Stem rot	<i>Corticium rolfsii</i> Curzi	Occ. —
<i>Piper colubrinum</i> L.		
Black leaf spot	<i>Phytophthora palmivora</i> (Butler) Butler	One 172112
<i>Piper nigrum</i> L. (Black Pepper, Lada)		
On berries & leaves	<i>Corticium rolfsii</i> Curzi	One —
Root knot	<i>Meloidogyne incognita</i> (Kofoid & White, 1919) Chitwood, 1949	Occ. CIH
Leaf blight	<i>Curvularia eragrostidis</i> (P. Henn.) J. A. Meyer	One 168910a
Leaf blight	<i>Leptosphaeria suffulta</i> (Fr.) Niessl.	One 168910b
<i>Pogostemon cablin</i> Benth. (Patchouli)		
Slow decline	<i>Fusarium solani</i> (Mart.) Sacc.	Comm. 172115
Leaf spot	<i>Cercospora</i> sp.	Occ. 173901b
Leaf spot	<i>Colletotrichum capsici</i> (Syd.) Butler & Bisby	Occ. 173901a
<i>Psidium guajava</i> L. (Guava)		
Leaf blight	<i>Pestalotia psidii</i> Pat.	Occ. 166641
<i>Raphanus sativus</i> L. Var. <i>hortensis</i> Backer (Chinese Radish, Lobak)		
Circular leaf spot	<i>Alternaria brassicicola</i> (Schw.) Wiltshire	Occ. 168329

Ricinus communis L. (Castor Oil Plant)

Thread blight	<i>Marasmiellus scandens</i> (Mass.) Dennis & Reid	One —
Leaf rot	<i>Corticium solani</i> (Prill. & Delacr.) Bourd. & Galz.	One —

Rosa sp. (Rose)

Sooty mould	<i>Trichomerium</i> sp.	One 171120
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Sansevieria laurentii (N.E. Br.) De Wild.

Rim blight	<i>Botryodiplodia theobromae</i> Pat.	One 166642a
Rim blight	<i>Cochliobolus geniculatus</i> Nelson	One 166642b
Rim blight	<i>Fusarium oxysporum</i> Schlecht.	One 166642c

Sauropus androgynus Merr. (Cangkok Manis)

Leaf spot	<i>Cercospora phyllanthicola</i> Shakil & Kamal	One 168320
Stem blight	<i>Glomerella cingulata</i> (Stonem.) Spauld. & Schrenk	Occ. 168905a
Stem blight	<i>Alternaria</i> sp.	Occ. 168905b
Leaf rot	<i>Alternaria macrospora</i> Zimm.	One 174345a
Leaf rot	<i>Choanephora cucurbitarum</i> (Berk. & Rav.) Thaxt.	One 174345b
Leaf rot	<i>Corynespora cassiicola</i> (Berk. & Curt.) Wei	One 174345c

Stenolobium stans Seem.

Sooty mould	<i>Trichomerium</i> sp.	One 168913
Sooty mould	<i>Podoxyphium</i> sp.	One 168913

Stylosanthes gracilis H.B.K. (Stylo)

Leaf & stem rot	<i>Corticium rolfsii</i> Curzi	Occ. —
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Theobroma cacao L. (Cocoa, Koko)

Sooty mould	<i>Tripospermum gardneri</i> (Berk.) Speg. ex Hendrickx	Occ. 166639
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Vanilla planifolia Andr. (Vanilla)

Leaf blight	<i>Curvularia leonensis</i> M. B. Ellis	One 168322a
Leaf blight	<i>Cochliobolus lunata</i> Nelson & Haasis	One 168322b
Leaf blight	<i>Myrothecium gramineum</i> Lib.	One 168322c

Vigna sesquipedalis (L.) Fruw. (Long Bean, Kacang Panjang)

Leaf anthracnose	<i>Colletotrichum lindemuthianum</i> (Sacc. & Magn.) Bri. & Cav.	One 168327a
Associated with leaf anthracnose	<i>Ascochyta phaseolorum</i> Sacc.	One 168327b
Leaf rot	<i>Choanephora cucurbitarum</i> (Berk. & Rav.) Thaxt.	Occ. —

Voandzeia subterranea Thouars (Kacang Bogor)

Leaf & stem rot	<i>Corticium rolfsii</i> Curzi	One —
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Xanthophyllum aff. *pulchrum* King

Sooty mould	<i>Trichomerium</i> sp.	One 168914
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Zingiber officinale Rosc. (Ginger, Haliya)

Leaf blotch	<i>Glomerella cingulata</i> (Stonem.) Spauld. & Schrenk	One 168902b
Leaf tip dieback	<i>Mycosphaella</i> sp.	One 168916b
Leaf scorch	? <i>Pseudocercospora</i> sp.	One 171122b
Leaf scorch	<i>Curvularia eragrostidis</i> (P. Henn.) J. A. Meyer	Occ. 172114b
Leaf spot	<i>Phoma eupyrena</i> Sacc.	Occ. 172114a
Leaf scorch	<i>Curvularia senegalensis</i> (Speg.) Subram.	One 167055
White root disease	<i>Fomes lignosus</i> (Klotzsch) Bres.	One —

Acknowledgements

I am grateful to the Director of Agriculture, Sarawak, for granting permission to publish this list and to the Directors and staff of the Commonwealth Mycological Institute and the Royal Botanic Gardens, Kew, for their prompt assistance in identifying many specimens. My thanks are also due to the Director and staff of the Commonwealth Institute of Helminthology, Herts, where plant parasitic nematodes were identified.

The assistance rendered by Mr. Soo Tan Kui and Mr. Bi'ee anak Jagat in the field is also gratefully acknowledged.

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Kueh, Tiong-Kheng. 1974. "New Plant Disease Records for Sarawak for 1972." *The Gardens' bulletin, Singapore* 27, 123–129.

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