



Microorganisms associated with tree seeds: World Checklist 1990
Microorganismes associés aux graines d'arbre – Liste de référence mondiale 1990

R.K. Mittal, R.L. Anderson, and/et S.B. Mathur

Information Report/Rapport d'information PI-X-96E/F
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In common with the rest of Forestry Canada, the Petawawa National Forestry Institute has as its objective the promotion of better management and wiser use of Canada's forest resource to the economic and social benefit of all Canadians. Objectives of program activities carried out at the Institute support this goal through discovery, development, demonstration, implementation, and transfer of innovations. Because it is a national institute, particular emphasis is placed on problems that transcend regional boundaries or that require special expertise and equipment that cannot be duplicated in Forestry Canada regional establishments. Such research is often performed in close cooperation with staff of the regional centres, provincial forest services, and the forest industry.

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Les travaux de recherche et les services techniques de l'Institut sont regroupés autour de cinq principales activités:

GÉNÉTIQUE FORESTIÈRE ET BIOTECHNOLOGIE — Ce programme encadre des études sur la génétique forestière, la microbiologie, la micropropagation, la génétique moléculaire et la recherche sur les semences. Il comprend également les services à la clientèle et la banque de semences du Centre national de semences forestières. Lié à plusieurs organismes internationaux, ce centre existe depuis longtemps.

SYSTÈMES D'AMÉNAGEMENT FORESTIER — Ce programme intègre en recherche et développement des opérations concernant les incendies de forêt, la télédétection, la météorologie, la modélisation, la croissance, la récolte et le RIMA. Il permet ainsi l'élaboration et la démonstration de systèmes d'aménagement forestier.

STATISTIQUES NATIONALES SUR LES RESSOURCES FORESTIÈRES — Ce programme fournit les renseignements biologiques, techniques et socio-économiques sur les ressources forestières du Canada. Il vise le développement des bases de données et l'établissement de nouveaux logiciels et bases de données pour aider à l'élaboration des politiques forestières. Le Programme d'inventaire forestier recueille l'information sur les forêts au niveau national, maintient le Système sur les ressources forestières canadiennes et prépare l'inventaire des forêts du Canada.

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LA FORÊT EXPÉRIMENTALE — Outre des peuplements naturels où l'on applique divers traitements dans le cadre des plans de recherche en sylviculture, la Forêt de Petawawa, mesurant 100 km², comprend de vastes superficies de plantations âgées de plus de 60 ans. Les plantations expérimentales livrent des données sur la croissance et la récolte la suite des expériences de culture. Elles fournissent aussi du matériel génétique dont le lignage est répertorié et qui se révèlent de plus en plus utiles pour les études sur la micropropagation et la génétique moléculaire. C'est un lieu par excellence pour mettre à l'essai des stratégies d'aménagement forestier à court et à long termes.

**MICROORGANISMS ASSOCIATED WITH TREE SEEDS:
WORLD CHECKLIST 1990
MICROORGANISMES ASSOCIÉS AUX GRAINES D'ARBRE
– LISTE DE RÉFÉRENCE MONDIALE 1990**

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Page couverture : *Alternaria alternata* (Fr.) Keissler isolé des graines de *Pinus strobus* L.

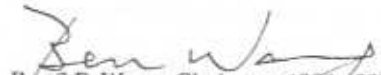
Foreword

The Tree Seed Pathology Working Group was formed in 1981 by members of the Forest Tree & Shrub Seed Committee of the International Seed Testing Association (ISTA). Since the beginning the working group's objectives have been to test the effectiveness of tree seed health techniques, to prepare results for ISTA Congress presentations, and to evaluate potential testing techniques for inclusion in forest seed handbooks.

The working group, under the leadership of Dr. R.L. Anderson and J. Shepard, has been very active; it has developed a new method for assessing contamination of *Pinus elliottii* and *P. taeda* seeds by *Fusarium moniliforme* var. *subglutinans*.

Literature on the microorganisms associated with tree seeds is available in diverse sources which are sometimes unavailable to seed researchers. Recognizing the need to collect all relevant information regarding distribution of tree seed pathogens around the world, Dr. Anderson published a checklist in 1986 which covered an extensive list of hosts, organisms, and countries.*

Because of the continuous flow of new information such a work is never complete and the present publication updates the checklist. The value and usefulness of this revision by Drs. R.K. Mittal, R.L. Anderson, and S.B. Mathur is sure to be appreciated by nurserymen, pathologists, and entomologists throughout the world.



Ben S.P. Wang, Chairman 1986-1989
Forest Tree & Shrub Seed Committee
International Seed Testing Association

*Anderson, R.L. 1986. Checklist of Micro-Organisms Associated With Tree Seeds in the World, 1985. USDA Forest Service Southeastern Forest Experiment Station Gen. Tech. Rep. SE-39.

Avant-propos

Le group de travail pathologique sur les graines d'arbre a été formé en 1981 par les membres du Comité des graines d'arbres et d'arbrisseaux forestiers de l'Association internationale d'essais de semences (AIES). Dès le début, les objectifs du groupe de travail comprennent les essais d'efficacité de la technique concernant l'état de santé des graines, la présentation des résultats à la conférence(s) de l'AIES et l'évaluation des méthodes potentielles à l'inclusion des manuels des graines forestières.

Dingé par le Dr. R.L. Anderson, le groupe de travail est très actif et il a développé de nouvelles méthodes pour évaluer la contamination des graines de *Pinus eliotti* et *P. taeda* par *Fusarium monoliforme* var. *subglutinans*.

Il y a des documents traitant les microorganismes associés aux graines d'arbre, mais ils ne sont pas toujours à la disposition des chercheurs. Étant donné la nécessité de recueillir des informations pertinentes, le Dr. Anderson a publié une liste de référence qui comprenait les hôtes, les organismes et les pays.*

À cause de l'accumulation continue de nouveaux renseignements, une telle publication n'est jamais complétée. C'est pourquoi on s'attend à ce que les pépiniéristes, les pathologistes et les entomologiste à travers le monde trouvent utile la présente publication revue par les Drs. R.K. Mittal, R.L. Anderson et S.B. Mathur.



Ben S.P. Wang, président
Comité des semences d'arbres et d'arbustes forestiers
Association internationale d'essais de semences

*Anderson, R.L. 1986. Checklist of Micro-Organisms Associated With Tree Seeds in the World, 1985. USDA Forest Service Southeastern Forest Experiment Station Gen. Tech. Rep. SE-39.

Introduction

Forestry throughout the world is becoming increasingly dependent on a constant supply of good quality seeds from trees selected for increased growth, better yield, and resistance to insects and disease. Healthy seeds are essential for the production of healthy crops. Poor seed germination in nurseries may be due to infection by seed-borne pathogens. The high cost of regeneration efforts makes it imperative that we use healthy seed. Seed health testing is primarily concerned with evaluating the presence or absence of disease-causing organisms such as fungi, bacteria, and virus pests. But it is often difficult to ascertain whether the causal agent of seed or seedling disease is seed-borne or soil-borne. Seed-coat microflora can cause the death of seed or indirectly weaken the seed, thereby predisposing it to attacks of soil fungi. Hence, it is important to know the characteristics of fungal diseases associated with seeds of important tree species — the damage caused, where, when, and under what circumstances infection occurs, and what can be done to prevent damage.

Seeds of several conifers and hardwoods are prone to attack by fungi. However, the pathogenicity of many of these fungi has been much debated. Fungi attacking seeds are usually moulds. Many of these develop on seed surfaces; others cause internal infections. Most seed fungi are considered saprophytic, and they are now also being studied as causal agents of severe pre- and post-emergence losses. The influence of moulds on seed can vary. Their mere presence does not necessarily harm seed although it is generally recognized that as the mould counts increase, the viability of seed decreases. Early studies on pine seeds showed that these moulds were virtually harmless on seed of high viability, but poor seed suffered a substantial reduction in germination. Fungi associated with tree seed vary in different host species, in different regions, and in different years.

Seed-borne fungi are more prevalent in the tropics where the climatic conditions facilitate their development. However, even in temperate climates fungi are an important factor. For example, most conifer seeds have a tendency to become dormant and must be pre-chilled (moist-cold stratification) before sowing. Some fungi reportedly grow and spread even at cold prechilling temperatures, the high moisture being the inducing factor. These fungi will either reduce seed germinability or infect the germinant and cause death. Dr. P. Neergaard in his book (1977, Macmillan) "Seed Pathology" emphasized that the grower cannot observe directly and does not know the yield reductions caused by fungi. Often the amount of damage can only be revealed by experiment and detailed investigation.

A few years ago, the International Seed Testing Association (ISTA) published "An Annotated List of Seedborne Diseases" (Richardson 1979), which was followed by supplements. These reports list the fungi occurring on all plant species including trees, detail how fungi affect seeds, note whether or not a control is available, and give the source of information. In 1981, the Forest Tree and Shrub Seed Committee of ISTA formed the Tree Seed Pathology Working group. The tasks assigned to the group were to identify seedborne pathogens of trees that could cause serious problems if transported to other geographic areas, to develop testing methods, to submit infested seeds for comparative tests, and to submit proposals for ISTA rules changes.

To accomplish this, it was necessary to identify the microorganisms that are found on seeds. The Tree Seed Pathology Working group shouldered this responsibility and published "A checklist of microorganisms associated with tree seeds in world, 1985" (Anderson 1986). The need for supplementing it with more recent information was soon realized which resulted in the present revised version.

Introduction

Partout dans le monde, la foresterie devient plus en plus dépendante des graines de qualité supérieure. Elles sont sélectionnées pour assurer une meilleure croissance, une récolte plus abondante ainsi qu'une résistance plus solide aux insectes et aux maladies. Il est primordial d'avoir des graines vigoureuses si l'on veut un peuplement vigoureux. Un faible taux de germination dans les pépinières peut être dû à des infections causées par les microorganismes pathogènes apparaissant sur les graines. Puisque le coût de la régénération est élevé, l'emploi des graines de bonne santé s'impose. Un essai de graine du point de vue santé relève premièrement l'examen de présence ou d'absence de microorganismes pathogènes comme les champignons, les bactéries et les virus. Cependant, il est difficile de vérifier si ces agents causant une maladie des graines ou des semis prennent leur origine sur les graines ou dans le sol. Une microflore du tégument peut provoquer la mort de la graine et si elle ne fait que l'affaiblir indirectement, la graine devient plus vulnérable aux attaques des champignons du sol. Donc, il est capital de connaître les caractéristiques des maladies des graines causées par les champignons y associés. Il faut aussi savoir où, quand, dans quelles circonstances les infections sont survenues affectant des essences importantes et quelles peuvent être les mesures de prévention.

Des graines de résineux et des feuillus sont assujetties aux attaques des champignons. Pourtant, le caractère pathogénique de ces champignons paraît contradictoire. En général, ce sont les moisissures qui sont les champignons attaquant les graines; les unes se développent sur la surface, les autres à l'intérieur des graines causant des infections. La plupart d'entre elles sont considérées comme saprophytes. On les étudie aussi en tant qu'agents causant des pertes considérables avant et après l'émergence. L'influence des moisissures sur les graines peut varier. Leur présence seul n'endommage pas nécessairement les graines; il est toutefois reconnu qu'à mesure qu'augmente le volume de moisissures, diminue la viabilité des graines. Selon les études antérieures sur les graines de pin, ces moisissures étaient inoffensives aux graines ayant une viabilité solide, alors que celles qui étaient plus faibles ont montré une baisse importante de taux de germination. Les champignons associés aux

graines d'arbre varient selon les essences hôtes, les régions et les années.

Les champignons nés sur les graines sont plus répandus dans les pays tropicaux où les conditions climatiques facilitent leur développement. Toujours est-il vrai que ceux qui apparaissent au climat tempéré sont aussi importants. Par exemple, la plupart des graines de résineux ont tendance à devenir dormantes et elles doivent subir une stratification froide et humide avant d'être semées. D'après des études, quelques champignons se répandent, à cause de l'humidité élevée, même aux températures de stratifications froides. Ces champignons réduiront la capacité de germination ou bien infecteront le germinant et provoqueront la mort de la graine. Dans son livre intitulé «Seed Pathology» (1977. MacMillan), le Dr. P. Neergaard a souligné le fait que le cultivateur ne peut faire d'observation directe et ne se rend pas compte de la diminution de la récolte due aux champignons. Le plus souvent, l'importance du dommage ne peut être révélée qu'à l'aide des expériences et des recherches approfondies.

L'Association internationale d'essais de semences (AIES) a publié la Liste annotée des maladies des graines (Richardson 1979) suivie des suppléments. Ces publications énumèrent les champignons survenus à toutes les plantes, y compris les arbres, décrivent en détails comment les champignons affectent les graines, indiquent la disponibilité des moyens de suppression et donnent les sources d'information. En 1981, le Comité des semences d'arbres et d'arbustes forestiers a formé le Groupe de travail pathologique sur les graines d'arbres. Plusieurs tâches ont été assignées à ce groupe, comme identifier les microorganismes pathogéniques des arbres affectant leur transport d'un lieu géographique à l'autre, développer des méthodes d'essai, soumettre les graines infectées à des essais comparatifs et préparer des propositions pour changer des règlements de l'AIES.

Les questions les plus essentielles étaient l'identification et la localisation des microorganismes. Le groupe de travail s'est chargé de cette responsabilité et il a fait paraître une liste des microorganismes associés aux graines d'arbres dans le monde 1985 (Anderson, 1986). La nécessité d'y ajouter des renseignements plus récents a inspiré la présente version revue.

Acknowledgments

Publication of this revised version would have been difficult without the active cooperation of Mr. A.C. Yapa (Editor), Mr. P. Boross, Mrs. E. Andersen, and Mrs. S. Moreau of the editing and publishing group at the Petawawa National Forestry Institute (PNFI), Chalk River, Ont., Canada. Thanks are also expressed to Dr. F.C. Pollett, Director General, PNFI, for providing facilities, to Dr. P. Singh of Forestry Canada Headquarters, Ottawa, to Mr. B.S.P. Wang and Mr. H.O. Schooley of PNFI for constructive criticism, and to Mr. C. Scarrow of USDA Forest Service, Forest Pest Management, Southern Region, Asheville, North Carolina, USA, for assistance in preparing the checklist.

Use of Checklist - Some Hints:

The present revised Checklist follows the pattern of R.L. Anderson's checklist of 1985. Listed are the hosts, their associated microorganisms, bibliographic reference(s), and the countries of origin. An asterisk (*) after the name of the country indicates that a treatment is available, a dagger (†) indicates an organism that causes a disease of economic importance, and the symbol § indicates an organism for which evidence concerning its seedborne nature is incomplete or contradictory. Where no country is listed, the origin of the organism is not known. 'General control' implies that the control mechanism described in the reference applies to a number of host species, among which would be the host species in question. 'Spp.' implies several species and 'sp.' a single species.

Remerciements

La parution de cette version revue aurait été difficile sans la coopération étroite de M. A.C. Yapa (Éditeur), M. P. Boross, Mme E. Andersen et Mme S. Moreau du groupe Révision-rédaction et publications de l'Institut forestier national de Petawawa (IFNP), Chalk River, Ontario, Canada. Nous aimerions exprimer notre reconnaissance au Dr. F.C. Pollett, directeur général de l'IFNP, de bien vouloir mettre à notre disposition les installations; au Dr. P. Singh de l'Administration centrale de Forêts Canada, Ottawa; à M. B.S.P. Wang et à M. H.O. Schooley de l'IFNP des critiques constructives et à M.C. Scarrow de l'USDA Forest Service, Forest Pest Management, Southern Region, Asheville, North Caroline, USA, de l'assistance qu'il a portée à la préparation de la liste de référence.

Notes sur la liste de référence :

La présente publication suit le modèle de la liste de référence 1985 de R.L. Anderson et énumère les hôtes, les microorganismes y associés, les références bibliographiques et les pays d'origine. L'astérisque (*) après le nom de pays signifie qu'un traitement est disponible, une croix (†) veut dire que l'organisme cause une maladie grave du point de vue économique, et le symbole § spécifie un organisme dont les caractéristiques reliées aux graines paraissent contradictoires. Au cas où il n'y aurait pas de nom de pays, cela veut dire que l'on ignore l'origine du microorganisme. La mention «Suppression générale» révèle les moyens de suppression décrits dans la section de référence qui sont applicables à de nombreuses essences hôtes parmi lesquelles on trouverait le hôte en question. «Spp.» indique plusieurs essences, alors que «sp.» une seule essence.

Glossary/Glossaire/Glossar

English	Français	Deutsch
Africa	Afrique	Afrika
Argentina	Argentine	Argentinien
Asia	Asie	Asien
Australia	Australie	Australien
Bangladesh	Bangladesh	Bangladesh
Belize	Bélize	Belise
Brazil	Brésil	Brasilien
Canada	Canada	Kanada
Caribbean	les Antilles	Karibische Inseln
Central America	Amérique centrale	Zentralamerika
Central Asia	Asie centrale	Zentralasien
Chile	Chili	Chile
Colombia	Colombie	Kolumbien
Corsica	Corse	Korsika
Costa Rica	Costa Rica	Kosta Rika
Cuba	Cuba	Kuba
Cyprus	Chypre	Zypern
Czechoslovakia	Tchécoslovaquie	Tschechoslowakei
Denmark	Danemark	Dänemark
Dominican Republic	République Dominicaine	Dominikanische Republik
East Africa	Afrique de l'Est	Ostafrika
East Germany	Allemagne de l'Est	DDR
Egypt	Égypte	Ägypten
England	Angleterre	England
Europe	Europe	Europa
Finland	Finlande	Finland
France	France	Frankreich
Guatemala	Guatemala	Guatemala
Hawaii	Hawaii	Hawaii
Honduras	Honduras	Honduras
Hungary	Hongrie	Ungarn
India	Inde	Indien
Israel	Israël	Israel
Italy	Italie	Italien
Japan	Japon	Japan
Kenya	Kénya	Kenya
Madagascar	Madagascar	Madagaskar
Malawi	Malawi	Malawi
Malaysia	Malaisie	Malaisien
Mauritius	Maurice	Mauritius
New Zealand	Nouvelle-Zélande	Neuseeland
Nicaragua	Nicaragua	Nikaragua
Nigeria	Nigeria	Nigeria
North America	Amérique du Nord	Nordamerika
North Carolina	Caroline du Nord	Nordkarolina
Panama	Panama	Panama
Philippines	Philippines	Philippines
Poland	Pologne	Polen
Portugal	Portugal	Portugal
Queensland	Queensland	Queensland
Rumania	Roumanie	Rumänien
Rwanda	Ruanda	Ruanda
Solomon Islands	Îles Salomon	Salomoninseln
South Korea	Corée du Sud	Südkorea
Spain	Espagne	Spanien
Surinam	Surinam	Surinam
Syria	Syrie	Syrien
Taiwan	Taïwan	Taiwan
Thailand	Thaïlande	Thailand
Trinidad	Trinidad	Trinidad
UK	R.-U.	Groß-britannien
Uruguay	Uruguay	Uruguay
USA	É.-U.	USA
USSR	URSS	UdSSR
West Germany	Allemagne de l'Ouest	BRD
West Indies	les Antilles	Westindische Inseln
Yugoslavia	Yougoslavie	Jugoslawien
Zambia	Zambie	Sambia

**Checklist of microorganisms/
Liste de référence des microorganismes**

Host and organism/ Hôte et organisme	Ref. No./ Réf.	Country/ Pays
<i>Abies</i> spp.		
<i>Fusarium culmorum</i>	24	UK
<i>Heterobasidion annosum</i>	25	North America
<i>Lirula macrospora</i>	80	USSR
<i>Melanospora zamiae</i>	25	UK
<i>Rhizoctonia solani</i>	124	USA
<i>Sclerotium</i> sp.	88, 215	
<i>Truncatella hartigii</i>	24	UK
<i>Abies amabilis</i> Dougl. ex Forbes		
<i>Botrytis cinerea</i>	170	South Korea
<i>Caloscypha fulgens</i>	298	Canada
<i>Fusarium semitectum</i>	170	South Korea
General control	84	Canada
<i>Abies balsamea</i> (L.) Mill.		
<i>Rhizoctonia solani</i>	311	USA
<i>Abies fraseri</i> (Pursh) Poir.		
<i>Rhizoctonia solani</i>	311	USA
<i>Abies grandis</i> (Dougl. ex D. Don) Lindl.		
<i>Caloscypha fulgens</i>	298	Canada
<i>Fusarium moniliforme</i>	170	South Korea
General control	84	Canada
<i>Abies nordmanniana</i> (Steven) Spac.		
<i>Fusarium moniliforme</i>	170	South Korea
<i>Abies sibirica</i>		
<i>Alternaria circinans</i>	233	USSR
<i>Aspergillus candidum</i>	233	USSR
<i>A. flavus</i>	233	USSR
<i>A. glaucus</i>	233	USSR
<i>A. niger</i>	233	USSR
<i>A. ochraceum</i>	233	USSR
<i>Cladosporium herbarum</i>	233	USSR
<i>Fusarium avenaceum</i>	233	USSR
<i>Hormiscium stilbosporum</i>	233	USSR
<i>Monilia sitophyla</i>	233	USSR
<i>Mucor alboater</i>	233	USSR
<i>M. mucedo</i>	233	USSR
<i>M. plumbeus</i>	233	USSR
<i>M. racemosus</i>	233	USSR
<i>Penicillium expansum</i>	233	USSR
<i>Phoma strobiligena</i>	233	USSR
<i>Pullularia pullulans</i>	233	USSR
<i>Rhizopus nigricans</i>	233	USSR
<i>Spicaria elegans</i>	233	USSR
<i>Thamnidium elegans</i>	233	USSR
<i>Trichoderma lignorum</i>	233	USSR

Host and organism/ Hôte et organisme	Ref. No./ Réf.	Country/ Pays
<i>Acacia</i> spp.		
<i>Fusarium oxysporum</i> f. sp. <i>koae</i>	102	Hawaii
<i>Haplophragmiopsis ponderosum</i>	197	India
<i>Phoma</i> sp.	170	Egypt
<i>Acacia auriculiformis</i> A. Cunn. ex Benth.		
<i>Aspergillus flavus</i>	49, 73, 237	Philippines, Thailand
<i>A. niger</i>	49, 73, 237	Philippines, Thailand
<i>A. terreus</i>	49	Thailand
Bacteria	49	Thailand
<i>Botryodiplodia theobromae</i>	49	Thailand
<i>Chaetomium</i> sp.	237	Philippines
<i>Cladosporium</i> sp.	73	Philippines
<i>Curvularia pallescens</i>	73, 237	Philippines
<i>C. brachyspora</i>	49	Thailand
<i>Fusarium semitectum</i>	73, 237	Philippines
<i>Penicillium</i> spp.	49	Thailand
<i>Phoma</i> sp.	170	India
<i>Syncephalastrum racemosum</i>	49	Thailand
<i>Acacia confusa</i> Merr.		
<i>Aspergillus</i> spp.	2	Philippines
<i>Botryodiplodia theobromae</i>	2	Philippines
<i>Cladosporium cladosporoides</i>	2	Philippines
<i>Curvularia lunata</i>	2	Philippines
<i>Penicillium</i> spp.	2	Philippines
<i>Phoma</i> sp.	2	Philippines
<i>Rhizopus</i> sp.	2	Philippines
<i>Acacia modesta</i> Wall.		
<i>Fusarium semitectum</i>	170	India
<i>Phoma</i> sp.	170	India
<i>Acacia raddiana</i> Savi		
<i>Fusarium moniliforme</i>	170	Israel
<i>Phoma</i> sp.	170	Israel
<i>Acacia tamesiana</i>		
<i>Aspergillus flavus</i>	73	Philippines
<i>Acer</i> spp.		
<i>Botrytis cinerea</i>	170	South Korea
<i>Fusarium moniliforme</i>	170	South Korea
<i>Gloeosporium acericola</i>	232	USSR
<i>Phyllosticta</i> sp.	210	
<i>Phyllosticta platanoidis</i> f. sp. <i>negundinis</i>	232	USSR

Host and organism/ Hôte et organisme	Ref. No./ Réf.	Country/ Pays
Acer campestre L.		
<i>Verticillium</i> sp.	170	South Korea
Acer ginolamax Thunb.		
<i>Botrytis cinerea</i>	170	South Korea
Acer palmatum Thunb.		
<i>Ascochyta</i> sp.	170	South Korea
<i>Colletotrichum</i> sp.	170	South Korea
<i>Fusarium semitectum</i>	170	South Korea
<i>Pestalotia</i> sp.	170	South Korea
<i>Phoma</i> sp.	170	South Korea
<i>Phomopsis</i> sp.	170	South Korea
<i>Septoria</i> sp.	170	South Korea
Acer rubrum L.		
<i>Alternaria tenuis</i>	98, 99	USA
<i>Aspergillus</i> spp.	98, 99	USA
<i>Botrytis cinerea</i>	98, 99	USA
<i>Coniothyrium</i> sp.	98, 99	USA
<i>Curvularia inequalis</i>	98, 99	USA
<i>Cytospora</i> sp.	98, 99	USA
<i>Diplodia</i> sp.	98, 99	USA
<i>Epicoccum purpurascens</i>	98, 99	USA
<i>Fusarium</i> sp.	98, 99	USA
<i>Geotrichum</i> spp.	98, 99	USA
<i>Hormodendron</i> sp.	98, 99	USA
<i>Penicillium</i> spp.	98, 99	USA
<i>Physalospora obtusa</i>	98, 99	USA
<i>Stemphylium consortiale</i>	98, 99	USA
<i>Trichoderma viride</i>	98, 99	USA
White, sterile fungi	98, 99	USA
Acer saccharum Marsh.		
<i>Alternaria</i> sp.	140, 256	USA
<i>A. tenuis</i>	98, 99	USA
<i>Aspergillus</i> spp.	98, 99	USA
<i>Aureobasidium</i> sp.	140, 256	USA
<i>Bacillus</i> sp.	140	USA
<i>Botrytis cinerea</i>	98, 99	USA
<i>Candida</i> sp.	140	USA
<i>Chaetophoma</i> sp.	98, 99	USA
<i>Cladosporium</i> sp.	140	USA
<i>Coniothyrium</i> sp.	98, 99	USA
<i>Cylindrocephalum</i> spp.	98, 99	USA
<i>Cytospora</i> sp.	99	USA
<i>Diplodia</i> sp.	98, 99	USA
<i>Epicoccum</i> sp.	140, 256	USA
<i>Fusidium</i> sp.	98, 99	USA
<i>Helminthosporium</i> sp.	98, 99	USA
<i>Hormodendron</i> sp.	98, 99	USA
<i>Mucor</i> sp.	98, 99, 140	USA
<i>Paecilomyces</i> sp.	98, 99	USA
<i>Penicillium</i> sp.	98, 99, 140, 256	USA
<i>Phomopsis</i> sp.	140	USA
<i>Physalospora obtusa</i>	98, 99	USA

Host and organism/ Hôte et organisme	Ref. No./ Réf.	Country/ Pays
<i>Rhizopus</i> sp.	98, 99, 140, 256	USA
<i>Trichoderma viride</i>	98, 99	USA
<i>Ulocladium</i> sp.	140	USA
White sterile fungus	98	USA
Acer saccharinum L.		
<i>Alternaria tenuis</i>	98, 99	USA
<i>Aspergillus</i> spp.	98, 99	USA
<i>Botrytis cinerea</i>	98, 99	USA
<i>Chaetomium globosum</i>	98, 99	USA
<i>Coniothyrium</i> sp.	98, 99	USA
<i>Curvularia inequalis</i>	98, 99	USA
<i>Epicoccum purpurascens</i>	98, 99	USA
<i>Fusarium</i> sp.	98, 99	USA
<i>Geotrichum</i> sp.	98, 99	USA
<i>Gloeosporium</i> sp.	98, 99	USA
<i>Helminthosporium</i> sp.	98, 99	USA
<i>Hormodendron</i> sp.	98, 99	USA
<i>Penicillium</i> sp.	98, 99	USA
<i>Phomopsis</i> sp.	98, 99	USA
<i>Physalospora obtusa</i>	98, 99	USA
<i>Sordaria fimicola</i>	98, 99	USA
<i>Trichoderma viride</i>	98, 99	USA
White, sterile fungi	98, 99	USA
Acrocarpus fraxinifolius Wright		
<i>Botryodiplodia theobromae</i>	170	Rwanda
<i>Botrytis cinerea</i>	170	India
<i>Cephalosporium</i> sp.	170	Rwanda*
<i>Colletotrichum</i> sp.	170	Rwanda
<i>Fusarium equiseti</i>	170	India, Rwanda*
<i>F. moniliforme</i>	170	India, Rwanda*
<i>F. semitectum</i>	170	India, Rwanda*
<i>Myrothecium roridum</i>	170	Rwanda*
<i>Phoma</i> sp.	170	India, Rwanda*
<i>Phomopsis</i> sp.	170	Rwanda*
Adenantha microsperma Teijsm. & Binn.		
<i>Botryodiplodia</i> sp.	170	India
<i>Fusarium moniliforme</i>	170	India
<i>Fusarium semitectum</i>	170	India
<i>Pestalotia</i> sp.	170	India
<i>Phoma</i> sp.	170	India
Adiana cordifolia Benth. & Hook. ex Brandis		
<i>Fusarium moniliforme</i>	170	India
<i>Phoma</i> sp.	170	India
Agathis dammara (Lamb.) Rich.		
<i>Fusarium solani</i>	237	Philippines
Agathis macrophylla (Lindley) Masters		
<i>Colletotrichum gloeosporioides</i>	237	Philippines

Host and organism/ Hôte et organisme	Ref. No./ Réf.	Country/ Pays
<i>Agathis robusta</i> (C. Moore) F.M. Bailey		
<i>Aspergillus flavus</i>	237	Philippines
<i>Phoma</i> sp.	237	UK
<i>Albizia falcataria</i> Fosb.		
<i>Alternaria tenuis</i>	2	Philippines
<i>Aspergillus</i> spp.	2	Philippines
<i>A. flavus</i>	73, 237	Philippines
<i>A. niger</i>	73, 237	Philippines
<i>Botryodiplodia theobromae</i>	73	Philippines
<i>Cephalosporium</i> sp.	170	Philippines
<i>Chaetomium</i> sp.	2	Philippines
<i>Fusarium moniliforme</i>	170	Philippines
<i>F. semitectum</i>	170	Philippines
<i>Penicillium</i> spp.	2, 73	Philippines
<i>Pestalotia</i> sp.	170	Philippines*
<i>Phoma</i> sp.	170	Philippines
<i>Rhizopus</i> sp.	73	Philippines
<i>Albizia gumifera</i> C. A. Sm.		
<i>Fusarium equiseti</i>	170	Rwanda
<i>F. semitectum</i>	170	Rwanda
<i>Albizia julibrissin</i> Durazzini		
<i>Aspergillus flavus</i>	73, 237	Philippines
<i>A. niger</i>	73, 237	Philippines
<i>Fusarium moniliforme</i>	73, 237	Philippines
<i>F. oxysporum</i> f. sp. <i>perniciosum</i>	237	USA
<i>Penicillium</i> sp.	73, 237	Philippines
<i>Albizia lebbek</i> Benth.		
<i>Aspergillus clavatus</i>	182	India
<i>A. flavus</i>	237	Philippines
<i>A. niger</i>	73	Philippines
<i>A. ochraceus</i>	182	India
<i>A. phoenicis</i>	182	India
<i>A. sulphureus</i>	182	India
<i>A. sydowi</i>	182	India
<i>A. versicolor</i>	182	India
<i>A. wentii</i>	182	India
<i>Fusarium solani</i>	73, 237	Philippines
<i>Penicillium</i> spp.	2	Philippines
<i>Rhizopus oryzae</i>	182	India
<i>Spicaria simplicissima</i>	182	India
<i>Albizia procera</i> Benth.		
<i>Aspergillus</i> spp.	2	Philippines
<i>A. flavus</i>	73	Philippines
<i>A. niger</i>	73	Philippines
<i>Fusarium semitectum</i>	2	Philippines
<i>F. moniliforme</i>	73	Philippines
<i>F. solani</i>	237, 73	Philippines
<i>Penicillium</i> spp.	2, 73	Philippines
<i>Pestalotia</i> sp.	2, 237	Philippines

Host and organism/ Hôte et organisme	Ref. No./ Réf.	Country/ Pays
<i>Albizia stipulata</i> Boivin		
<i>Fusarium moniliforme</i>	170	India
<i>F. solani</i>	170	India
<i>Macrophomina phaseolina</i>	170	India
<i>Phoma</i> sp.	170	India
<i>Ainus</i> spp.		
<i>Ciboria alni</i>	158, 312	Czechoslovakia
<i>Cylindrosporella alena</i>	143, 205	Denmark
<i>Taprina alni-incanae</i>	339	Poland
<i>Ainus maximowiczii</i> Callier ex Schneid.		
<i>Cephalosporium</i> sp.	170	South Korea
<i>Ainus sibirica</i> Fisch. ex Turcz.		
<i>Monilia</i> sp.	170	South Korea
<i>Phoma</i> sp.	170	South Korea
<i>Alistonia macrophylla</i> Wall.		
<i>Aspergillus flavus</i>	73, 237	Philippines
<i>Fusarium moniliforme</i>	73, 237	Philippines
<i>F. semitectum</i>	73, 237	Philippines
<i>F. solani</i>	73, 237	Philippines
<i>Penicillium</i> sp.	73, 237	Philippines
<i>Anacardium occidentale</i> L.		
<i>Aspergillus tamarii</i>	214	Nigeria
<i>Lasiodiplodia theobromae</i>	214	Nigeria
<i>Macrophomina</i> sp.	170	Costa Rica
<i>Penicillium citrinum</i>	214	Nigeria
<i>Anogeissus pendula</i> Edgew.		
<i>Fusarium semitectum</i>	170	Costa Rica
<i>Phoma</i> sp.	170	Costa Rica
<i>Anthocephalus cadamba</i> Miq.		
<i>Phoma</i> sp.	170	India
<i>Anthocephalus chinensis</i> Hassk.		
<i>Aspergillus</i> spp.	2	Philippines
<i>Penicillium</i> spp.	2	Philippines
<i>Antidesma glaesbilla</i> Gaertn.		
<i>Aspergillus flavus</i>	73	Philippines
<i>Penicillium</i> sp.	73	Philippines
<i>Araucaria angustifolia</i> (Bert.) Kuntze		
<i>Alternaria</i> sp.	145	Australia
<i>A. tenuis</i>	145	Australia
<i>Botryodiplodia</i> sp.	145	Australia
<i>Fusarium</i> sp.	145	Australia

Host and organism/ Hôte et organisme	Ref. No./ Réf.	Country/ Pays
<i>F. oxysporum</i>	145	Australia
<i>F. solani</i>	145	Australia
<i>Penicillium</i> sp.	145	Australia
<i>Rhizoctonia solani</i>	145	Australia
<i>Pleiochaeta</i> sp.	145	Australia
<i>Pythium</i> sp.	145	Australia
<i>Rhizopus</i> sp.	145	Australia
<i>Araucaria bidwillii</i> Hook.		
<i>Botryodiplodia</i> sp.	145	Egypt
<i>Fusarium oxysporum</i>	145	Egypt
<i>F. solani</i>	145	Egypt
<i>Helminthosporium</i> sp.	145	Egypt
<i>Papulaspora</i> sp.	145	Egypt
<i>Rhizoctonia solani</i>	145	Egypt
<i>Trichothecium</i> sp.	145	Egypt
<i>Araucaria cunninghamii</i> Sweet		
<i>Alternaria</i> sp.	145	Australia
<i>Botryodiplodia</i> spp.	145	Australia
<i>B. theobromae</i>	247	Australia
<i>Chaetomium</i> sp.	145	Australia
<i>Fusarium</i> sp.	145	Australia
<i>F. oxysporum</i>	145	Australia
<i>F. solani</i>	145	Australia
<i>Helminthosporium</i> sp.	145	Australia
<i>Penicillium</i> sp.	145	Australia
<i>Pestalotia</i> sp.	145	Australia
<i>Pythium</i> sp.	145	Australia
<i>Rhizopus</i> spp.	145	Australia
<i>Rhizoctonia solani</i>	145	Australia
<i>Sclerotium</i> sp.	145	Australia
<i>Araucaria excelsa</i> R. Br.		
<i>Cryptospora longispora</i>	144	USA
<i>Dothiorella</i> sp.	144	USA
<i>Pestalotia</i> sp.	144	USA
<i>Phoma araucariae</i>	13	USA
<i>Araucaria heterophylla</i> (Salisbury) Franco		
<i>Aspergillus</i> sp.	145	Egypt
<i>Alternaria</i> sp.	145	Egypt
<i>A. tenuis</i>	86, 87,	Egypt
	145	
<i>Cladosporium</i> sp.	145	Egypt
<i>Epicoccum</i> sp.	145	Egypt
<i>Fusarium</i> sp.	145	Egypt
<i>F. lateritium</i>	145	Egypt
<i>F. oxysporum</i>	86, 87,	Egypt
	145	
<i>F. solani</i>	86, 87,	Egypt
	145	
<i>Penicillium</i> sp.	145	Egypt
<i>Pythium</i> sp.	145	Egypt
<i>Rhizoctonia solani</i>	145	Egypt
<i>Artocarpus heterophyllus</i> Lam.		
<i>Botryodiplodia theobromae</i>	168	India

Host and organism/ Hôte et organisme	Ref. No./ Réf.	Country/ Pays
<i>Azadirachta indica</i> Juss.		
<i>Aspergillus</i> spp.	287	Malaysia
<i>Botryodiplodia</i> sp.	170	India
<i>Cephalosporium</i> sp.	170	India
<i>Drechslera sorokiniana</i>	170	India
<i>Fusarium</i> sp.	170	India
<i>F. equiseti</i>	170	India
<i>F. moniliforme</i>	170	India
<i>F. semitectum</i>	170	India
<i>F. solani</i>	170	India
<i>Macrophomina phaseolina</i>	170	India
<i>Myrothecium roridum</i>	170	India
<i>Phoma</i> sp.	170	India
<i>Phomopsis</i> sp.	170	India
<i>Verticillium</i> sp.	170	India
<i>Bauhinia</i> sp.		
<i>Alternaria longissima</i>	49	Thailand
<i>Aspergillus candidus</i>	49	Thailand
<i>A. flavus</i>	49	Thailand
<i>A. nidulans</i>	49	Thailand
<i>A. niger</i>	49	Thailand
<i>A. restrictus</i>	49	Thailand
<i>A. terreus</i>	49	Thailand
<i>Cladosporium</i> spp.	49	Thailand
<i>Curvularia lunata</i>	49	Thailand
<i>Fusarium semitectum</i>	49	Thailand
<i>Penicillium</i> spp.	49	Thailand
<i>Pestalotiopsis</i> spp.	49	Thailand
<i>Phoma</i> sp.	49	Thailand
<i>Bauhinia acumata</i> L.		
<i>Aspergillus flavus</i>	73, 237	Philippines
<i>A. niger</i>	73, 237	Philippines
<i>Penicillium</i> sp.	73, 237	Philippines
<i>Bauhinia purpurea</i> L.		
<i>Pestalotiopsis</i> sp.	170	India
<i>Bauhinia variegata</i> L.		
<i>Pestalotiopsis</i> sp.	170	India
<i>Phoma</i> sp.	170	India
<i>Betula</i> spp.		
<i>Ciboria betulae</i>	41, 312	Asia, Europe, North America, Czechoslovakia
Cherry leaf roll virus	61, 269	UK
General	153	East Germany Poland

Host and organism/ Hôte et organisme	Ref. No./ Réf.	Country/ Pays
<i>Betula alba</i> L.		
Cherry leaf roll virus	64	UK
<i>B. alleghanensis</i> Britton		
<i>Alternaria</i> sp.	279	USA
<i>A. tenuis</i>	98, 99	USA
<i>Aspergillus</i> spp.	98, 99, 289	USA
<i>Botrytis cinerea</i>	98, 99	USA
<i>Chaetomium funicola</i>	98, 99	USA
<i>C. globosum</i>	98, 99	USA
<i>Coniothyrium olitaceum</i>	289	USA
<i>Coniothyrium</i> sp.	98, 99	USA
<i>Curularia inequalis</i>	98, 99	USA
<i>Epicoccum purpurascens</i>	98, 99	USA
<i>Fusarium</i> spp.	98, 99	USA
<i>Helminthosporium</i> sp.	98, 99	USA
<i>Hormodendron</i> sp.	98, 99	USA
<i>Penicillium</i> spp.	98, 99, 289	USA
<i>Phomopsis</i> sp.	98, 99	USA
<i>Rhizopus</i> sp.	98, 99	USA
<i>Stemphylium consortiale</i>	98, 99	USA
<i>Trichothecium roseum</i>	98, 99	USA
<i>Verticillium</i> sp.	98, 99	USA
<i>Betula papyrifera</i> Marsh.		
<i>Alternaria</i> sp.	289	USA
<i>Alternaria tenuis</i>	98, 99	USA
<i>Aspergillus</i> spp.	98	USA
<i>Botrytis cinerea</i>	98	USA
<i>Coniothyrium</i> sp.	98, 289	USA
<i>Epicoccum purpurascens</i>	98, 99	USA
<i>Fusarium</i> sp.	98, 99	USA
<i>Hormodendron</i> sp.	98, 99	USA
<i>Penicillium</i> spp.	98, 99	USA
<i>Phomopsis</i> sp.	98, 99	USA
<i>Rhizopus</i> sp.	98, 99	USA
<i>Sporotrichum</i> sp.	98, 99	USA
<i>Betula pendula</i> Roth		
<i>Alternaria alternata</i>	160	Finland
<i>A. tenuissima</i>	160	Finland
<i>Aureobasidium pullulans</i>	160	Finland
Cherry leaf roll virus	269	East Germany
<i>Cladosporium herbarum</i>	160	Finland
<i>Penicillium</i> spp.	160	Finland
<i>Trichoderma viride</i>	160	Finland
<i>Trichothecium roseum</i>	160	Finland
<i>Betula verrucosa</i> Ehrh.		
<i>Alternaria tenuis</i>	154	USSR
<i>Aspergillus flaviceps</i>	154	USSR
<i>Cephalothecium roseum</i>	154	USSR
<i>Chaetomium globosum</i>	154	USSR
<i>Echinobotryum atrium</i>	154	USSR
<i>Mucor globosus</i>	154	USSR
<i>Penicillium expansum</i>	154	USSR
<i>P. granulatum</i>	154	USSR

Host and organism/ Hôte et organisme	Ref. No./ Réf.	Country/ Pays
<i>Rhizopus betanorus</i>	154	USSR
<i>Stachybotrys alternans</i>	154	USSR
<i>Stysanus stemonites</i>	154	USSR
<i>Trichoderma koningii</i>	154	USSR
<i>Bombax anceps</i>		
<i>Aspergillus flavus</i>	49	Thailand
<i>A. niger</i>	49	Thailand
<i>A. terreus</i>	49	Thailand
<i>Curularia lunata</i>	49	Thailand
<i>C. pallescens</i>	49	Thailand
<i>Mucor</i> spp.	49	Thailand
<i>Penicillium</i> spp.	49	Thailand
<i>Bombax ceiba</i> L.		
<i>Actinomyces</i> spp.	266	India
<i>Alternaria tenuis</i>	196	Bangladesh
<i>Aspergillus</i> spp.	266	India
<i>A. flavus</i>	196	Bangladesh
<i>A. glaucus</i>	196	Bangladesh
<i>A. niger</i>	196	Bangladesh
<i>A. ochraceus</i>	196	Bangladesh
<i>Botryodiplodia</i> spp.	266	India
<i>Chaetomium</i> spp.	266	India
<i>Curularia lunata</i>	196	Bangladesh
<i>Fusarium</i> spp.	266	India
<i>F. equiseti</i>	170	India
<i>F. semitectum</i>	170	India
<i>F. solani</i>	170	India
<i>Mucor</i> spp.	266	India
<i>Penicillium</i> spp.	196, 266	India, Bangladesh
<i>Phoma</i> sp.	170	India
<i>Rhizopus</i> spp.	196, 266	India, Bangladesh
<i>Thielavia</i> spp.	266	India
<i>Calamus ornatus</i> Blume ex Schult.		
<i>Aspergillus flavus</i>	73, 237	Philippines
<i>Fusarium solani</i>	73, 237	Philippines
<i>Callistemon viminalis</i> G. Don ex. Loud.		
<i>Pestalotia</i> sp.	170	India
<i>Carica papaya</i> L.		
<i>Aspergillus niger</i>	293	India
<i>A. flavus</i>	293	India
<i>A. versicolor</i>	293	India
<i>Alternaria alternata</i>	293	India
<i>A. tenuissima</i>	293	India
<i>Cephalosporium</i> sp.	293	India
<i>Cladosporium</i> <i>cladosporoides</i>	293	India

Host and organism/ Hôte et organisme	Ref. No./ Réf.	Country/ Pays
<i>C. herbarum</i>	293	India
<i>Colletotrichum</i> sp.	293	India
<i>C. dematium</i>	118	India
<i>Curvularia lunata</i>	293	India
<i>Fusarium oxysporum</i>	293	India
<i>Phoma</i> sp.	293	India
Sterile mycelia	293	India
<i>Carpinus eximia</i> Nakai		
<i>Botrytis cinerea</i>	170	South Korea
<i>Fusarium semitectum</i>	170	South Korea
<i>Carya</i> spp.		
<i>Cladosporium effusum</i>	218	USA
<i>Cassia acutifolia</i> Delle		
<i>Fusarium semitectum</i>	170	Egypt
<i>Cassia bakeriana</i>		
<i>Alternaria tenuis</i>	49	Thailand
<i>Aspergillus nidulans</i>	49	Thailand
<i>A. niger</i>	49	Thailand
<i>A. restrictus</i>	49	Thailand
<i>Cladosporium</i> sp.	49	Thailand
<i>Curvularia lunata</i>	49	Thailand
<i>Fusarium moniliforme</i>	49	Thailand
<i>Gilmaniella</i> sp.	49	Thailand
<i>Monilia</i> sp.	49	Thailand
<i>Penicillium</i> spp.	49	Thailand
<i>Pestalotiopsis</i> sp.	49	Thailand
<i>Cassia fistula</i> L.		
<i>Alternaria tenuis</i>	183	India
<i>Aspergillus flavus</i>	183, 49	India, Thailand
<i>A. fumigatus</i>	183	India
<i>A. niger</i>	183, 49	India, Thailand
<i>A. ochraceus</i>	183	India
<i>A. sulphureus</i>	183	India
<i>Botrytis cinerea</i>	170	India
<i>Fusarium semitectum</i>	170	India
<i>Memnoniella echinata</i>	183	India
<i>Mucor</i> sp.	183	India
<i>Penicillium</i> sp.	49, 183	India, Thailand
<i>P. canadense</i>	183	India
<i>Phoma</i> sp.	49	Thailand
<i>Rhizopus</i> sp.	49	Thailand
<i>R. oryzae</i>	183	India
<i>Syncephalastrum racemosum</i>	49	Thailand
<i>Cassia floribunda</i> Cav.		
<i>Aspergillus tamaris</i>	49	Thailand
<i>Curvularia pallescens</i>	49	Thailand
<i>Cassia siamea</i> Lam.		
<i>Aspergillus flavus</i>	49, 73,	Philippines,

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	237	Thailand
<i>A. niger</i>	49, 73,	Philippines,
	237	Thailand
<i>A. terreus</i>	49	Thailand
<i>Chaetomium</i> sp.	73, 237	Philippines,
		Thailand
<i>Cladosporium cladosporoides</i>	73, 237	Philippines
<i>Corynospora</i> sp.	49	Thailand
<i>Curvularia affinis</i>	49	Thailand
<i>C. lunata</i>	49	Thailand
<i>Fusarium moniliforme</i>	73, 237	Philippines
<i>F. semitectum</i>	73, 237	Philippines
<i>F. solani</i>	73, 237	Philippines
<i>Memnoniella echinata</i>	49	Thailand
<i>Macrophomina phaseolina</i>	73	Philippines
<i>Penicillium</i> sp.	49, 73,	Philippines,
	237	Thailand
<i>Phoma</i> sp.	73	Philippines
<i>Phomopsis</i> sp.	49, 237	Philippines,
		Thailand
<i>Castanea</i> spp.		
<i>Ceratocystis fagacearum</i>	15	Italy
<i>Ciboria batschiana</i>	71	France
<i>Cryptodiaporthe castanea</i>	308, 336	North America,
		Brazil
<i>Dothiorella</i> sp.	308, 336	North America,
		Brazil
<i>Endothia parasitica</i>	70	France, USA*
<i>Phomopsis endogena</i>	55	Italy
<i>P. viterbensis</i>	46, 55	Italy
<i>Castanea sativa</i>		
<i>Ciboria batschiana</i>	75	France
<i>Casuarina equisetifolia</i> L. ex J.R. & G. Forst.		
<i>Aspergillus flavus</i>	73, 237	Philippines
<i>A. niger</i>	49, 73,	Philippines,
	237	Thailand
<i>Botryodiplodia</i> sp.	170	Philippines
<i>B. theobromae</i>	73, 237	Philippines
<i>Chaetomium</i> sp.	237	Philippines
<i>Cladosporium</i> spp.	49, 73	Thailand,
		Philippines
<i>C. cladosporoides</i>	237	Philippines
<i>Curvularia brachyspora</i>	237	Philippines
<i>C. lunata</i>	49, 73,	Philippines,
	237	Thailand
<i>C. pallescens</i>	73, 237	Philippines
<i>Fusarium moniliforme</i>	73, 237	Philippines
<i>Macrophomina phaseolina</i>	73, 237	Philippines
<i>Penicillium</i> spp.	73, 237	Philippines
<i>Pestalotia</i> sp.	170	Philippines
<i>Pestalotiopsis</i> sp.	36	Mauritius
<i>Phoma</i> sp.	170	Philippines
<i>Phomopsis casuarinae</i>	36	Australia
<i>Stemphylium botryosum</i>	170	Philippines

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<i>Cedrela odorata</i> L.		
<i>Colletotrichum</i> sp.	170	Colombia*
<i>Fusarium moniliforme</i>	170	Colombia*
<i>F. semitectum</i>	170	Colombia*
<i>F. solani</i>	170	Colombia*
<i>Macrophomina phaseolina</i>	170	Colombia*
<i>Phoma</i> sp.	170	Colombia*
<i>Cedrela serrata</i> Royle.		
<i>Phoma</i> sp.	170	India
<i>Cedrela serrulata</i> Miq.		
<i>Pestalotia</i> sp.	170	Rwanda
<i>Phoma</i> sp.	170	Rwanda
<i>Cedrela toona</i> Roxb.		
<i>Botrytis cinerea</i>	170	India
<i>Fusarium moniliforme</i>	170	India
<i>Cedrus deodara</i> (Roxb.) Loud.		
<i>Alternaria tenuis</i>	168, 179, 198	India, Uruguay
<i>Aspergillus candidus</i>	179	India
<i>A. flavus</i>	179, 198	India
<i>A. fumigatus</i>	179	India
<i>A. koningii</i>	179	India
<i>A. luchuensis</i>	179	India
<i>A. niger</i>	179, 198	India
<i>A. sydowii</i>	179	India
<i>A. versicolor</i>	179	India
<i>Cephalosporium</i> sp.	179	India
<i>C. roseogriseum</i>	179	India
<i>Chaetomium</i> spp.	179	India
<i>C. bostrychodes</i>	198	India
<i>C. globosum</i>	198	India
<i>Cladosporium</i>	179	India
<i>cladosporoides</i>		
<i>C. herbarium</i>	179	India
<i>Coniothecium</i> sp.	198	India
<i>C. atrum</i>	198	India
<i>Coprinus</i> sp.	198	India
<i>Curcularia</i> spp.	198	India
<i>C. maculans</i>	179	India
<i>C. pallescens</i>	198	India
<i>Epicoccum purpurascens</i>	179	India
<i>Fusarium bostrychodes</i>	79	
<i>F. bulbigenum</i> var. <i>blasticola</i>	198	India
<i>F. moniliforme</i>	79, 179	India
<i>F. moniliforme</i> var. <i>minus</i>	198	India
<i>F. oxysporum</i> var. <i>aurantiacum</i>	198	India
<i>F. sporotrichioides</i>	198	India
<i>Helminthosporium</i> sp.	198	India
<i>Memnoniella echinata</i>	198	India
<i>Mucor</i> spp.	198	India
<i>M. globosus</i>	198	India
<i>M. hiemalis</i>	198	India

Host and organism/ Hôte et organisme	Ref. No./ Réf.	Country/ Pays
<i>Oedocephalum</i>	198	India
<i>glomerulosum</i>		
<i>O. lineatum</i>	198, 79	India
<i>Penicillium</i> spp.	198	India
<i>P. albicans</i>	179	India
<i>P. canadense</i>	179	India
<i>P. granulatum</i>	179	India
<i>P. restrictum</i>	179	India
<i>P. wortmanii</i>	179	India
<i>Pestalotia</i> sp.	198	India
<i>Phoma glomerata</i>	198	India
<i>P. hibernica</i>	198	India
<i>Rhizoctonia</i> sp.	179	India
<i>Rhizopus arrhizus</i>	198	India
<i>R. stolonifer</i>	179	India
<i>R. oryzae</i>	179	India
<i>Stachybotrys atra</i>	198	India
<i>S. parvispora</i>	179	India
<i>Stemphylium botryosum</i>	198	India
<i>Stilbella nanum</i>	198	India
<i>Trichoderma viride</i>	198	India
<i>Trichothecium roseum</i>	168	Uruguay
White, sterile fungus	198	India
General control	199, 179	India
<i>Chamaecypris</i> spp.		
<i>Pestalotiopsis</i> sp.	133	Japan
<i>Chamaecypris obtusa</i> (Sieb. et Zucc.) Endl.		
<i>Arthrinium</i> sp.	170	South Korea
<i>Drechslera rostrata</i>	170	South Korea
<i>Fusarium solani</i>	170	South Korea
<i>Monilia</i> sp.	170	South Korea
<i>Pestalotia</i> sp.	170	South Korea
<i>C. lawsoniana</i> (A. Murr.) Parl.		
<i>Camarosporium</i> sp.	195, 262	France, Italy
<i>Coniothyrium</i> spp.	195, 262	France, Italy
<i>Pestalotiopsis funerea</i>	195, 262	France, Italy
<i>Seiridium cardinale</i>	195, 262	France, Italy
<i>Chukrasia tabularis</i> Juss.		
<i>Fusarium moniliforme</i>	170	India
<i>Macrophomina</i> sp.	170	India
<i>Phoma</i> sp.	170	India
<i>Citrus</i> spp.		
<i>Citrus exocortis</i> virus	256	Brazil
<i>Citrus psorosis</i> virus	40, 234, 54, 79	USA, USSR, Argentina
<i>Citrus</i> wood pocket virus	44	USA
<i>Citrus xyloporosis</i> virus	83, 53	Cyprus, USA
<i>Citrus</i> yellow shoot virus	161	North Carolina
<i>Deuterophoma tracheiphila</i>	297	USSR
<i>Phoma</i> sp.	239	Rumania
<i>Phytophthora citrophthora</i>	39, 151, 152	USA*
<i>P. nicotianae</i> var. <i>parasitica</i>	39, 151, 152	USA*

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<i>Spiroplasma citri</i>	58, 69, 220	
Stem pitting virus	323	Corsica§
<i>Xanthomonas citri</i>	157, 164	USA, India*†
General control	103, 255	
<i>Cocos nucifera</i> L.		
<i>Botryodiplodia theobromae</i>	200	India
<i>Cephalosporium</i> sp.	170	Japan
<i>Diplodia palmicola</i>	334	West Germany
<i>Fusarium semitectum</i>	170	Japan
<i>F. solani</i>	170	Japan
<i>Marasmiellus</i> sp.	284	Malaysia*
<i>M. cocophilus</i>	19, 134	Solomon Islands*
<i>M. semiustus</i>	281	Malaysia
<i>Monilia</i> sp.	170	Japan
<i>Rhadinaphelenchus cocophilus</i>	16, 17	Africa, USA, West Indies
<i>Rigidoporus zonalis</i>	134	Solomon Islands
Root wilt pathogen	226	India
<i>Coffea</i> spp.		
<i>Cercospora coffeicola</i>	217, 328	USA
<i>Glomerella cingulata</i>	217, 33, 125	East Africa, Brazil
<i>Hemileia vastatrix</i>	51	Brazil*
<i>Koleroga noxia</i>	217	Brazil
<i>Nematospora coryli</i>	217	Brazil
General control	94	Nigeria
<i>Coffea excelsa</i>		
Coffee ring spot virus	245	Philippines
<i>Coniferae</i>		
<i>Iodophanus carneus</i>	132, 246	UK
General control	7, 252, 253, 26, 321, 250, 117, 224	
<i>Cordia alliodora</i> Cham.		
<i>Botryodiplodia theobromae</i>	170	Colombia*
<i>Fusarium moniliforme</i>	170	Colombia*
<i>F. semitectum</i>	170	Colombia*
<i>Phoma</i> sp.	170	Colombia*
<i>Phomopsis</i> sp.	170	Colombia*
<i>Corylus avellana</i> L.		
<i>Macrophoma corylina</i>	201	Denmark
<i>Sclerotinia laxa</i>	166	Italy
<i>Cryptomeria japonica</i> D. Don		
<i>Phoma</i> sp.	170	Madagascar

Host and organism/ Hôte et organisme	Ref. No./ Réf.	Country/ Pays
<i>Cupressus</i> spp.		
<i>Fusarium equiseti</i>	170	Syria
<i>Nigrospora</i> sp.	170	Syria
<i>Pestalotia</i> sp.	170	Madagascar
<i>Phoma</i> sp.	170,	Syria, Madagascar
<i>Seiridium cardinale</i>	261	Italy
<i>Cupressus abramsiana</i> C.B. Wolf		
<i>Camarosporium</i> sp.	262	Italy, France
<i>Coniothyrium</i> spp.	262	Italy, France
<i>Pestalotiopsis funerea</i>	262	Italy, France
<i>Seiridium cardinale</i>	262	Italy, France
<i>Cupressus arizonica</i> Greene		
<i>Alternaria</i> sp.	251	Uruguay
<i>Camarosporium</i> sp.	262	France, Italy
<i>Coniothyrium</i> spp.	262	France, Italy
<i>Macrophomina</i> sp.	251	Uruguay
<i>Pestalotiopsis funerea</i>	262	France, Italy
<i>Seiridium cardinale</i>	262	France, Italy
<i>Cupressus cashmeriana</i> Royle. ex. Carr.		
<i>Pestalotia</i> sp.	170	India
<i>Phoma</i> sp.	170	India
<i>Cupressus funebris</i> Endl.		
<i>Pestalotiopsis funerea</i>	251	Uruguay
<i>Cupressus glabra</i> Sudn.		
<i>Camarosporium</i> sp.	262	France, Italy
<i>Coniothyrium</i> spp.	262	France, Italy
<i>Pestalotiopsis funerea</i>	262	France, Italy
<i>Seiridium cardinale</i>	262	France, Italy
<i>Cupressus goveniana</i> Gord.		
<i>Camarosporium</i> sp.	262	France, Italy
<i>Coniothyrium</i> spp.	262	France, Italy
<i>Pestalotiopsis funerea</i>	262	France, Italy
<i>Seiridium cardinale</i>	262	France, Italy
<i>Cupressus lusitanica</i> Mill.		
<i>Camarosporium</i> sp.	262	France, Italy
<i>Coniothyrium</i> spp.	262	France, Italy
<i>Pestalotia</i> sp.	170	India, Kenya
<i>Pestalotiopsis funerea</i>	262	France, Italy
<i>Phoma</i> sp.	170	India
<i>Seiridium cardinale</i>	262	France, Italy
<i>Cupressus lusitanica</i> var. <i>benthamii</i> (Endl.) Carr.		
<i>Camarosporium</i> sp.	262	France, Italy
<i>Coniothyrium</i> spp.	262	France, Italy
<i>Pestalotiopsis funerea</i>	262	France, Italy
<i>Seiridium cardinale</i>	262	France, Italy

Host and organism/ Hôte et organisme	Ref. No./ Réf.	Country/ Pays
<i>Cupressus macrocarpa</i> Hartw.		
<i>Alternaria</i> sp.	251	Uruguay
<i>Pestalotiopsis guepini</i>	251	Uruguay
<i>Seiridium cardinale</i>	193	Italy*
<i>Cupressus sempervirens</i> L.		
<i>Alternaria alternata</i>	92	Egypt
<i>Aspergillus occuleatus</i>	92	Egypt
<i>A. versicolor</i>	92	Egypt
<i>Botryodiplodia palmarum</i>	92	Egypt
<i>Camarosporium</i> sp.	262, 195	France, Italy
<i>Cladosporium</i> <i>cladosporioides</i>	92	Egypt
<i>Coniothyrium</i> spp.	195, 262	France, Italy
<i>Fusarium</i> sp.	92	Egypt
<i>F. oxysporum</i>	92	Egypt
<i>Penicillium citrinum</i>	92	Egypt
<i>P. cyclopium</i>	92	Egypt
<i>Pestalotiopsis funerea</i>	195, 262	France, Italy
<i>Rhizoctonia</i> sp.	92	Egypt
<i>Seiridium cardinale</i>	262, 193,	France, Italy
	195	
<i>Stemphylium vesicarium</i>	92	Egypt
<i>Cupressus torulosa</i> Don.		
<i>Alternaria</i> sp.	251	Uruguay
<i>Camarosporium</i> sp.	262	France, Italy
<i>Coniothyrium</i> spp.	262	France, Italy
<i>Dendrophoma</i> sp.	251	Uruguay
<i>Pestalotiopsis funerea</i>	262	France, Italy
<i>Seiridium cardinale</i>	262	France, Italy
<i>Dalbergia cochinchinensis</i>		
<i>Aspergillus flavus</i>	49	Thailand
<i>A. niger</i>	49	Thailand
<i>Botryodiplodia theobromae</i>	49	Thailand
<i>Chaetomium</i> sp.	49	Thailand
<i>Colletotrichum</i> <i>gloeosporioides</i>	49	Thailand
<i>Mucor</i> sp.	49	Thailand
<i>Dalbergia sissoo</i> Roxb.		
<i>Alternaria tenuis</i>	184	India
<i>Aspergillus flavus</i>	184	India
<i>A. niger</i>	184	India
<i>A. ochraceus</i>	184	India
<i>Fusariella indica</i>	184	India
<i>Fusarium</i> sp.	184	India
<i>F. moniliforme</i>	170	Madagascar, India
<i>F. solani</i>	170	Madagascar
<i>Helminthosporium</i> sp.	184	India
<i>Humicola grisea</i>	184	India

Host and organism/ Hôte et organisme	Ref. No./ Réf.	Country/ Pays
<i>Memnoniella echinata</i>	184	India
<i>Penicillium italicum</i>	184	India
<i>Phoma</i> sp.	184	India
<i>Pythiopsis intermedia</i>	184	India
<i>Rhizopus oryzae</i>	184	India
<i>Delonix regia</i> (Boj. ex Hook.) Raf.		
<i>Aspergillus</i> sp.	170	Brazil
<i>Cephalosporium</i> sp.	73	Philippines
<i>Chaetomium</i> sp.	173, 237	Philippines
<i>Cladosporium</i> sp.	73	Philippines
<i>C. cladosporioides</i>	237	Philippines
<i>Curvularia lunata</i>	73	Philippines
<i>Fusarium equiseti</i>	170	Brazil
<i>F. semitectum</i>	73, 170	Brazil
<i>Penicillium</i> sp.	73	Philippines
<i>Phoma</i> sp.	170	Brazil, India
<i>Diospyros kaki</i> L.		
<i>Nigrospora spherica</i>	170	South Korea
<i>Penicillium</i> sp.	208	India*
<i>Penicillium</i> <i>clavariaeformis</i>	209	India
<i>Pestalotia diospyri</i>	170	South Korea
<i>Phoma</i> sp.	170	South Korea
<i>Dryobalanops aromatica</i>		
<i>Haplosporella</i> <i>dryobalanopsis</i>	292	Malaysia
<i>Elaeis guineensis</i> Jacq.		
<i>Fusarium oxysporum</i> f. sp. <i>elaedis</i>	165, 265	Africa, Surinam, Colombia
<i>Schizophyllum commune</i>	311	Malaysia*
<i>Endospermum peltatum</i> Merr.		
<i>Cephalosporium</i> sp.	2	Philippines
<i>Cladosporium</i> sp.	2	Philippines
<i>Fusarium moniliforme</i>	2	Philippines
<i>F. solani</i>	2	Philippines
<i>Enterolobium contortisiliquum</i> Morong		
<i>Alternaria</i> sp.	251	Uruguay
<i>Eucalyptus</i> spp.		
<i>Acremonium strictum</i>	240	India
<i>Acrostaphyllum lignicola</i>	240	India
<i>Alternaria alternata</i>	265	India
<i>Aspergillus candidus</i>	240	India
<i>A. flaviceps</i>	240	India

Host and organism/ Hôte et organisme	Ref. No./ Réf.	Country/ Pays
<i>A. flavus</i>	240, 265	India
<i>A. niger</i>	240, 265	India
<i>A. nidulans</i>	240	India
<i>A. sydowi</i>	240	India
<i>A. terreus</i>	240	India
<i>A. unguis</i>	240	India
<i>Botrytis cinerea</i>	265	India
<i>Cladosporium</i> <i>cladosporoides</i>	265	India
<i>C. herbarum</i>	240, 265	India
<i>C. tenuissimum</i>	240	India
<i>Chaetomium globosum</i>	265	India
<i>Curvularia geniculata</i>	240	India
<i>C. lunata</i>	240, 265	India
<i>C. pallescens</i>	240, 265	India
<i>C. verruculosa</i>	265	India
<i>Cylindrocladium</i> <i>braziliensis</i>	68	Brazil*
<i>Drechslera australiense</i>	265	India
<i>D. halodes</i>	240	India
<i>D. rostrata</i>	265	India
<i>Fusarium equiseti</i>	265	India
<i>F. moniliforme</i>	240, 265	India
<i>F. oxysporum</i>	265	India
<i>F. poae</i>	265	India
<i>F. semitectum</i>	265	India
<i>Helminthosporium</i> <i>tetramera</i>	265	India
<i>Macrophomina phaseolina</i>	265	India
<i>Memnoniella echinata</i>	240	India
<i>Mucor hiemalis</i>	265	India
<i>Myrothecium roridum</i>	265	India
<i>Penicillium chrysogenum</i>	265	India
<i>P. citrinum</i>	240	India
<i>P. frequentens</i>	265	India
<i>P. wortmanii</i>	265	India
<i>Periconia</i> spp.	265	India
<i>Pestalotiopsis mangiferae</i>	240	India
<i>Pithomyces maydis</i>	240	India
<i>Phoma</i> sp.	240	India
<i>Pleospora infectoria</i>	265	India
<i>Ramularia</i> sp.	81	Queensland
<i>Rhizopus arrhizus</i>	265	India
<i>Stachybotrys atra</i>	265	India
<i>S. chartarum</i>	240	India
<i>Trichothecium roseum</i>	265	India
<i>Verticillium albo-atrum</i>	275	India
General control	78	

Eucalyptus alba Reinw. exbl.

<i>Aspergillus flavus</i>	49	Thailand
<i>A. niger</i>	49	Thailand
Bacteria	49	Thailand
<i>Curvularia</i> sp.	49	Thailand
<i>C. pallescens</i>	49	Thailand
<i>Paecilomyces</i> sp.	49	Thailand
<i>Pestalotiopsis funerea</i>	170	India
<i>Phoma</i> sp.	170	India
<i>Syncephalastrum</i> <i>racemosum</i>	49	Thailand

Eucalyptus camaldulensis Dehn.

<i>Alternaria tenuis</i>	49	Thailand
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Host and organism/ Hôte et organisme	Ref. No./ Réf.	Country/ Pays
<i>Fusarium moniliforme</i>	49	Thailand
<i>F. semitectum</i>	170	Egypt
<i>Macrophoma</i> sp.	49	Thailand
<i>Phoma</i> sp.	170	India

Eucalyptus citriodora Hook. f.

<i>Aspergillus</i> sp.	266	India
<i>A. candidus</i>	186	India
<i>A. flavus</i>	186	India
<i>A. fumigatus</i>	186	India
<i>A. kotingii</i>	186	India
<i>A. luchuensis</i>	186	India
<i>A. niger</i>	186	India
<i>A. sulphureus</i>	186	India
<i>A. sydowi</i>	186	India
<i>A. tamarii</i>	186	India
<i>Botryotrichum</i> sp.	186	India
<i>Cephalosporium</i> sp.	266	India
<i>Chaetomium</i> <i>homophilatum</i>	186	India
<i>Chaetomium</i> sp.	266	India
<i>Cladosporium</i> sp.	186	India
<i>Colletotrichum</i> sp.	266	India
<i>Curvularia inequalis</i>	186	India
<i>C. pubescens</i>	186	India
<i>Fusarium</i> sp.	186	India
<i>F. solani</i>	186	India
<i>Fusicoccum</i> sp.	266	India
<i>Glioccephalotrichum</i> sp.	266	India
<i>Gliocladium penicilloides</i>	186	India
<i>Macrophoma</i> sp.	266	India
<i>Monocillium</i> sp.	266	India
<i>Paecilomyces</i> sp.	266	India
<i>Penicillium</i> sp.	266	India
<i>P. albicans</i>	186	India
<i>P. brefeldianum</i>	186	India
<i>P. canadense</i>	186	India
<i>P. decumbens</i>	186	India
<i>P. expansum</i>	186	India
<i>P. rubrum</i>	186	India
<i>P. variabile</i>	186	India
<i>Phomopsis</i> sp.	266	India
<i>Pythium</i> sp.	186	India
<i>Rhizopus oryzae</i>	186	India
<i>Trichoderma viride</i>	186	India
General control	186	India

Eucalyptus deglupta Bl.

<i>Aspergillus flavus</i>	49	Thailand
<i>A. fumigatus</i>	49	Thailand
<i>A. niger</i>	49	Thailand
<i>Cephalosporium</i> sp.	170	Philippines
<i>Fusarium equiseti</i>	170	Philippines
<i>F. oxysporum</i>	49	Thailand
<i>Paecilomyces</i> sp.	49	Thailand
<i>Penicillium</i> sp.	2	Philippines
<i>Pestalotia</i> sp.	170	Philippines
<i>Rhizopus</i> sp.	49	Thailand

Eucalyptus globulus Labill.

<i>Actinomyces</i>	267	India
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Host and organism/ Hôte et organisme	Ref. No./ Réf.	Country/ Pays
<i>Aspergillus</i> sp.	266	India
<i>Cephalosporium</i> sp.	266	India
<i>Chaetomium</i> sp.	266	India
<i>Fusarium</i> sp.	170	Portugal
<i>Monocillium</i> sp.	266	India
<i>Mucor</i> sp.	266	India
<i>Paecilomyces</i> sp.	266	India
<i>Penicillium</i> sp.	266	India
<i>Stachybotrys</i> sp.	266	India
Sterile mycelia	267	India

Eucalyptus grandis Hill ex Maiden

<i>Actinomyces</i>	267	India
<i>Alternaria</i> sp.	251	Uruguay
<i>Aspergillus</i> sp.	266	India
<i>Botryodiplodia</i> sp.	170	Uruguay
<i>Curvularia</i> sp.	251	Uruguay
<i>C. lunata</i>	49	Thailand
<i>Drechslera</i> sp.	251	Uruguay
<i>Fusarium moniliforme</i>	170	Uruguay
<i>Monocillium</i> sp.	266	India
<i>Mucor</i> sp.	266	India
<i>Myrothecium roridum</i>	170	Uruguay
<i>Penicillium</i> sp.	266	India
<i>Pestalotiopsis funerea</i>	251	Uruguay
<i>Phoma</i> sp.	170	India
<i>Rhizopus</i> sp.	251	Uruguay
<i>Verticillium</i> sp.	251	Uruguay

Eucalyptus hybrid

<i>Aspergillus flavus</i>	180	India
<i>A. fumigatus</i>	180	India
<i>A. niger</i>	180	India
<i>A. sydowi</i>	180	India
<i>Cladosporium cladosporioides</i>	180	India
<i>Curvularia pallescens</i>	180	India
<i>C. verruculosa</i>	180	India
<i>Fusarium</i> sp.	180	India
<i>Memnoniella echinata</i>	180	India
<i>Mucor</i> sp.	180	India
<i>Penicillium albicans</i>	180	India
<i>Rhizopus oryzae</i>	180	India
<i>Thamnostylum lucknowense</i>	180	India
<i>Trichoderma viride</i>	180	India
Sterile mycelia	180	India
General control	180	India

Eucalyptus maidenii F. Muell.

<i>Alternaria</i> sp.	251	Uruguay
<i>Curvularia</i> sp.	251	Uruguay
<i>Fusarium semitectum</i>	251	Uruguay
<i>Penicillium</i> sp.	251	Uruguay
<i>Pestalotiopsis</i> sp.	251	Uruguay
<i>Trichoderma viride</i>	251	Uruguay

Eucalyptus tereticornis Sm.

<i>Actinomyces</i>	267	India
<i>Aspergillus</i> sp.	266	India

Host and organism/ Hôte et organisme	Ref. No./ Réf.	Country/ Pays
Bacteria	49	Thailand
<i>Curvularia lunata</i>	49	Thailand
<i>Monocillium</i> sp.	266	India
<i>Mucor</i> sp.	266	India
<i>Penicillium</i> sp.	266	India
<i>Phoma</i> sp.	170	India

Eucommia ulmoides Oliver

<i>Phoma</i> sp.	170	USA
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Euonymus europaeus L.

<i>Euonymus mosaic virus</i>	34	Czechoslovakia
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Fagus spp.

<i>Phytophthora cactorum</i>	317	Czechoslovakia
<i>Verticillium</i> spp.	317	Czechoslovakia

Fagus sylvatica L.

<i>Alternaria tenuis</i>	121	Hungary
<i>Fusarium</i> spp.	121	Hungary
<i>Rhizoctonia solani</i>	225	France*

Ficus benjamina L.

<i>Botryodiplodia</i> sp.	170	India
<i>Fusarium moniliforme</i>	170	India
<i>F. semitectum</i>	170	India
<i>Verticillium</i> sp.	170	India

Ficus krishnae C. DC.

<i>Cephalosporium</i> sp.	170	India
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Fraxinus sp.

<i>Macrophoma fraxini</i>	231	Czechoslovakia
<i>Phyllosticta osteospora</i> var. <i>samaricola</i>	232	USSR

Fraxinus americana L.

<i>Alternaria tenuis</i>	98, 99	USA
<i>Aspergillus</i> spp.	98, 99	USA
<i>Botrytis cinerea</i>	98, 99	USA
<i>Cephalosporium</i> sp.	98, 99	USA
<i>Chaetomium funicola</i>	98, 99	USA
<i>C. globosum</i>	98, 99	USA
<i>Coniothyrium</i> sp.	98, 99	USA
<i>Epicoccum purpurascens</i>	98, 99	USA
<i>Fusarium</i> sp.	98, 99	USA
<i>Geotrichum</i> sp.	98, 99	USA
<i>Helminthosporium</i> sp.	98, 99	USA
<i>Hormodendron</i> sp.	98, 99	USA

Host and organism/ Hôte et organisme	Ref. No/ Réf.	Country/ Pays
<i>Mucor</i> sp.	98, 99	USA
<i>Penicillium</i> spp.	98, 99	USA
<i>Phomopsis</i> sp.	98, 99	USA
<i>Physalospora obtusa</i>	98, 99	USA
<i>Pleospora</i> sp.	98, 99	USA
<i>Rhizopus</i> sp.	98, 99	USA
<i>Sordaria fumicola</i>	98, 99	USA
<i>Tricoderma viride</i>	98, 99	USA
White, sterile fungi	98, 99	USA
<i>Ginkgo biloba</i> L.		
Virus	288	Czechoslovakia, Hungary
<i>Gliricidia sepium</i> (Jacq.) Kunth ex Walp.		
<i>Aspergillus flavus</i>	73	Philippines
<i>A. niger</i>	73	Philippines
<i>Penicillium</i> sp.	73	Philippines
<i>Gmelina arborea</i> Roxb.		
<i>Alternaria tenuis</i>	49	Thailand
<i>Aspergillus</i> sp.	2	Philippines
<i>A. flavus</i>	49, 73, 237	Philippines, Thailand
<i>A. niger</i>	49, 73, 237	Philippines, Thailand
<i>Botrytis cinerea</i>	170	Philippines
<i>Cephalosporium</i> sp.	170	India
<i>Fusarium equiseti</i>	170	India
<i>F. moniliforme</i>	170	India
<i>F. semitectum</i>	170	India
<i>F. solani</i>	170	India
<i>Penicillium</i> spp.	49, 73, 237	Philippines, Thailand
<i>Phoma</i> sp.	170	India
<i>Rhizopus</i> sp.	49	Thailand
<i>Syncephalastrum racemosum</i>	49	Thailand
<i>Gmelina mollucana</i> Bocker ex K. Heyne		
<i>Cephalosporium</i> sp.	170	Solomon Islands
<i>Fusarium semitectum</i>	170	Solomon Islands
<i>Grevillea robusta</i> A. Cunn.		
<i>Botryodiplodia theobromae</i>	170	Rwanda*
<i>Discocia</i> sp.	170	Rwanda*
<i>Fusarium equiseti</i>	170	Rwanda*
<i>F. moniliforme</i>	170	Rwanda*
<i>F. semitectum</i>	170	Rwanda*
<i>F. solani</i>	170	Rwanda*
<i>Pestalotia</i> sp.	170	Rwanda*

Host and organism/ Hôte et organisme	Ref. No/ Réf.	Country/ Pays
<i>Hevea</i> sp.		
<i>Botryodiplodia theobromae</i>	84	Malaysia
<i>Phomopsis hevea</i>	84	Malaysia
<i>Hevea brasiliensis</i> Muell.-Arg.		
<i>Botryodiplodia theobromae</i>	295	India*†
<i>Microcyclus ulei</i>	52	South and Central America, Caribbean*
<i>Phomopsis hevea</i>	294	Malaysia
<i>Phytophthora botryosa</i>	207	Malaysia‡
General control	162	Malaysia
<i>Holarrhena antidysenterica</i> Wall. ex A.Dc.		
<i>Aspergillus niger</i>	49	Thailand
<i>A. restrictus</i>	49	Thailand
<i>Botryodiplodia theobromae</i>	49	Thailand
<i>Chaetomium</i> sp.	49	Thailand
<i>Curvularia affinis</i>	49	Thailand
<i>C. geniculata</i>	49	Thailand
<i>Drechslera tetramera</i>	49	Thailand
<i>Horenia dulcis</i> Thunb.		
<i>Phoma</i> sp.	170	India
<i>Horsfeldia</i> sp.		
<i>Cylindrocadium scoparium</i>	275	Malaysia
<i>Howeia forsteriana</i> Becc.		
<i>Dothiorella</i> sp.	12	North America
<i>Jacaranda mimosaeifolia</i> D. Don		
<i>Botrytis cinerea</i>	170	India
<i>Drechslera</i> sp.	170	India
<i>Fusarium moniliforme</i>	170	India
<i>Phoma</i> sp.	170	India
<i>Juglans</i> spp.		
<i>Alternaria nucis</i>	211	Czechoslovakia, Romania
Cherry leaf roll virus	62, 63, 177, 236	Italy, UK, USA
<i>Erwinia</i> sp.	238	
<i>Gnomonia leptostyla</i>	28, 174	USA

Host and organism/ Hôte et organisme	Ref. No./ Réf.	Country/ Pays
<i>Pseudomonas</i> sp.	238	
<i>Xanthomonas juglandis</i>	5, 89	Romania, Italy
Prune necrotic ring virus	22	Italy
<i>Juniperus coreana</i> Nakai		
<i>Fusarium moniliforme</i>	170	South Korea
<i>Juniperus virginiana</i> L.		
<i>Phomopsis occulta</i>	204	Denmark
<i>Kydia calycina</i> Roxb.		
<i>Fusarium moniliforme</i>	170	India
<i>F. semitectum</i>	170	India
<i>Phoma</i> sp.	170	India
<i>Lagerstroemia calyculata</i>		
<i>Aspergillus niger</i>	49	Thailand
<i>A. restrictus</i>	49	Thailand
<i>Curvularia lunata</i>	49	Thailand
<i>Penicillium</i> sp.	49	Thailand
<i>Lagerstroemia speciosa</i> (L.) Pers.		
<i>Aspergillus flavus</i>	73, 237	Philippines
<i>Cephalosporium</i> sp.	237	Philippines
<i>Cladosporium</i> sp.	237	Philippines
<i>Penicillium</i> sp.	73, 237	Philippines
<i>Phoma</i> sp.	170	India
<i>Larix</i> spp.		
<i>Cytospora curreyi</i>	210	UK
<i>Phoma lineolata</i>	210, 163,	UK, USA,
	203	Denmark
<i>Phomopsis occulta</i>	202	Denmark
<i>Larix decidua</i> Mill.		
<i>Acrostalagmus cinnabarinus</i>	154	USSR
<i>Alternaria tenuis</i>	154	USSR
<i>Aspergillus niger</i>	154	USSR
<i>Botrytis cinerea</i>	154	USSR
<i>Cephalothecium roseum</i>	154	USSR
<i>Fusarium oxysporum</i>	154	USSR
<i>Penicillium granulatium</i>	154	USSR
<i>Stachybotrys alternans</i>	154	USSR

Host and organism/ Hôte et organisme	Ref. No./ Réf.	Country/ Pays
<i>Larix sibirica</i> Ledeb.		
<i>Alternaria circinans</i>	233	USSR
<i>A. iridicola</i>	233	USSR
<i>A. peponis</i>	233	USSR
<i>A. radicina</i>	233	USSR
<i>A. tenuis</i>	233	USSR
<i>Aspergillus candidus</i>	233	USSR
<i>A. flavus</i>	233	USSR
<i>A. niger</i>	233	USSR
<i>A. ochraceus</i>	233	USSR
<i>Cladosporium herbarum</i>	233	USSR
<i>Fusarium avenaceum</i>	233	USSR
<i>F. oxysporum</i>	233	USSR
<i>Helotium strobilinum</i>	233	USSR
<i>Hormiscium stilbosporum</i>	233	USSR
<i>Hypoderma congenum</i>	233	USSR
<i>Monilia sitophyla</i>	233	USSR
<i>Mucor albo-ater</i>	233	USSR
<i>M. mucedo</i>	233	USSR
<i>M. plumbeus</i>	233	USSR
<i>M. racemosus</i>	233	USSR
<i>Penicillium expansum</i>	233	USSR
<i>Propolis faginea</i>	233	USSR
<i>Pullularia pullulans</i>	233	USSR
<i>Rhizopus nigricans</i>	233	USSR
<i>Spicaria elegans</i>	233	USSR
<i>Trichoderma lignorum</i>	233	USSR
<i>Thamnidium elegans</i>	233	USSR
<i>Leucaena</i> spp.		
<i>Botryodiplodia</i> sp.	170	Philippines
<i>Fusarium moniliforme</i>	170	Philippines
<i>F. semitectum</i>	170	Philippines
<i>F. solani</i>	170	Philippines
<i>Macrophomina</i> sp.	170	Philippines
<i>Phoma</i> sp.	170	Philippines
<i>Rhizoctonia solani</i>	170	Philippines
<i>Leucaena cunningham</i> Benth.		
<i>Fusarium moniliforme</i>	170	Malawi
<i>Leucaena diversifolia</i> Benth.		
<i>Fusarium moniliforme</i>	170	Guatemala*
<i>Macrophomina phaseolina</i>	170	Guatemala*
<i>Phoma</i> sp.	170	Guatemala*
<i>Phomopsis</i> sp.	170	Guatemala*
<i>Leucaena latisiliqua</i> (L.) Gillis		
<i>Fusarium moniliforme</i>	170	Philippines
<i>Leucaena leucocephala</i> (Lam.) de Wit		
<i>Aspergillus</i> sp.	2	Philippines
<i>A. candidus</i>	49	Thailand
<i>A. flavus</i>	237	Philippines
<i>A. fumigatus</i>	49	Thailand
<i>A. niger</i>	49, 237	Philippines,
		Thailand
<i>A. tamarii</i>	49	Thailand

Host and organism/ Hôte et organisme	Ref. No./ Réf.	Country/ Pays
Bacteria	49	Thailand
<i>Botryodiplodia theobromae</i>	237	Philippines
<i>Cephalosporium</i> sp.	170	Philippines
<i>Cladosporium</i> sp.	2	Philippines
<i>C. cladosporoides</i>	237	Philippines
<i>Colletotrichum gloeosporoides</i>	237,	Philippines,
	276	Malaysia
<i>C. graminicola</i>	237	Philippines
<i>Curularia lunata</i>	49	Thailand
<i>Drechslera hawaiiensis</i>	49	Thailand
<i>D. tetramera</i>	2	Philippines
<i>Fusarium moniliforme</i>	170	Philippines,
		Malaysia*
<i>F. semitectum</i>	2, 285	Philippines,
		India*
<i>F. solani</i>	237	Philippines
<i>Penicillium</i> sp.	2, 49	Philippines,
		Thailand
<i>Pestalotia</i> sp.	170	Philippines
<i>Phoma</i> sp.	237	Philippines
<i>Rhizopus</i> sp.	49	Thailand
<i>Leucaena leucocephala</i> var. <i>cunninghami</i> Benth.		
<i>Phoma</i> sp.	170	Cuba
<i>Libocedrus decurrens</i> Torr.		
<i>Pestalotiopsis funerea</i>	128	UK
<i>Liriodendron tulipifera</i> L.		
<i>Gloeosporium</i> sp.	1	USA†
<i>Lobelia erinus</i> L.		
<i>Alternaria tenuis</i>	119	UK*
<i>Maesopsis eminii</i> Engl. Musizi		
<i>Cylindrocladium scoparium</i>	275,	Malaysia
	276	
<i>Fusarium</i> sp.	276	Malaysia
<i>Phoma</i> sp.	276	Malaysia
<i>Malelenca</i> spp.		
<i>Fusarium semitectum</i>	13	India
<i>Malus</i> spp.		
<i>Chaetomium</i> sp.	171	
<i>Pestalotia</i> sp.	172,	Denmark,
	239	Romania,
		Australia

Host and organism/ Hôte et organisme	Ref. No./ Réf.	Country/ Pays
Raspberry bushy dwarf virus	43	UK
Tobacco mosaic virus	111	USA
Tomato bushy stunt virus	6, 146,	Canada,
	147	East Germany
General control	338	
<i>Mangifera indica</i> L.		
<i>Glomerella cingulata</i>	289	
<i>Melia azedarach</i> L.		
<i>Aspergillus flavus</i>	49	Thailand
<i>A. niger</i>	49	Thailand
Bacteria	49	Thailand
<i>Botryodiplodia theobromae</i>	49	Thailand
<i>Curularia lunata</i>	49	Thailand
<i>Drechslera rostrata</i>	49	Thailand
<i>Penicillium</i> spp.	49	Thailand
<i>Phomopsis</i> sp.	49	Thailand
<i>Mimosa caesalpiniaefolia</i> Benth.		
<i>Cephalosporium</i> sp.	170	Brazil
<i>Fusarium moniliforme</i>	170	Brazil
<i>F. semitectum</i>	170	Brazil
<i>Pestalotia</i> sp.	170	Brazil
<i>Phoma</i> sp.	170	Brazil
<i>Septoria</i> sp.	170	Brazil
<i>Mimosa scabrella</i> Benth.		
<i>Fusarium moniliforme</i>	170	Brazil
<i>F. oxysporum</i>	170	Brazil
<i>F. semitectum</i>	170	Brazil
<i>Morus</i> spp.		
<i>Ciboria curunculoides</i>	280, 330	
<i>Microglossum shiraianum</i>	280, 330	
<i>Sclerotinia shiraiana</i>	280, 330	USA
General control	50	
<i>Musa</i> spp.		
<i>Botryodiplodia theobromae</i>	112	Panama,
		Honduras,
		Malaysia
Virus	113	USA
<i>Musanga cecropoides</i> R. Br.		
<i>Cladosporium cladosporoides</i>	2	Philippines
<i>Curularia lunata</i>	2	Philippines
<i>Macrophomina phaseolina</i>	2	Philippines
<i>Penicillium</i> sp.	2	Philippines

Host and organism/ Hôte et organisme	Ref. No/ Réf.	Country/ Pays
<i>Nothofagus</i> spp.		
<i>Mycogone</i> sp.	24	UK
<i>Truncatella hartigii</i>	24	UK
<i>Ougeinia dalbergioides</i> Benth.		
<i>Phoma</i> sp.	170	
<i>Parkia roxburgii</i> G. Don		
<i>Aspergillus flavus</i>	73, 237	Philippines
<i>Chaetomium</i> sp.	73, 237	Philippines
<i>Penicillium</i> sp.	73, 237	Philippines
<i>Parrotia persica</i>		
<i>Pestalotia parrotiae</i>	4	USSR
<i>Pentaclethra macrophylla</i> Benth.		
<i>Bacillus cereus</i>	213	Nigeria
<i>B. circulans</i>	213	Nigeria
<i>B. licheniformis</i>	213	Nigeria
<i>B. macerans</i>	213	Nigeria
<i>Leuconostoc mesenteroides</i>	213	Nigeria
<i>Micrococcus luteus</i>	213	Nigeria
<i>M. roseus</i>	213	Nigeria
<i>Staphylococcus epidermidis</i>	213	Nigeria
<i>Persea americana</i> Mill.		
<i>Phytophthora cinnamomi</i>	59, 82, 222	USA*§, Australia*
<i>Rhizoctonia solani</i>	178	USA
Sunblotch virus	42, 219, 306, 326	USA, Africa, New Zealand, Australia
<i>Picea</i> spp.		
<i>Caloscypha fulgens</i> (= <i>Geniculodendron</i> <i>pyriforme</i>)	88 259, 260, 304, 335	Canada*, UK
<i>Pucciniastrum areolatum</i>	20	West Germany
<i>Sirococcus strobilinus</i>	302	Canada
<i>Verticillium</i> sp.	259	England
<i>Picea abies</i> (L.) Karst		
<i>Alternaria circinans</i>	233	USSR

Host and organism/ Hôte et organisme	Ref. No/ Réf.	Country/ Pays
<i>A. iridicola</i>	233	USSR
<i>A. peponis</i>	233	USSR
<i>A. radicina</i>	233	USSR
<i>A. tenuis</i>	233	USSR
<i>Ascochyta conorum</i>	233	USSR
<i>Aspergillus candidus</i>	233	USSR
<i>A. flavus</i>	233	USSR
<i>A. glaucus</i>	233	USSR
<i>A. niger</i>	233	USSR
<i>A. ochraceus</i>	233	USSR
<i>Caloscypha fulgens</i>	114, 123	UK, USA, Canada
<i>Chetostylum fraserii</i>	233	USSR
<i>Chrysomyxa pirolae</i>	233	USSR
<i>C. voronini</i>	233	USSR
<i>Cladosporium herbarum</i>	233	USSR
<i>Coniothyrium conicola</i>	233	USSR
<i>Diplodia conigena</i>	233	USSR
<i>Fusarium avenaceum</i>	233	USSR
<i>F. equiseti</i>	233	USSR
<i>F. solani</i>	233	USSR
<i>F. sporotrichioides</i>	233	USSR
<i>Helotium virgultorum</i>	23	USSR
<i>Hypoderma canigenum</i>	233	USSR
<i>Hormiscium stilbosporum</i>	233	USSR
<i>Marasmius reebians</i>	233	USSR
<i>Monilia sitophyla</i>	233	USSR
<i>Mucor albo-ater</i>	233	USSR
<i>M. mucedo</i>	233	USSR
<i>M. plumbeus</i>	233	USSR
<i>M. racemosus</i>	233	USSR
<i>Ombrophila strobilina</i>	233	USSR
<i>Penicillium candidum</i>	233	USSR
<i>P. expansum</i>	233	USSR
<i>Pullularia pullulans</i>	233	USSR
<i>Rhizopus stolonifer</i>	233	USSR
<i>Sirococcus strobilinus</i>	302	Canada
<i>Sordaria fimicola</i>	233	USSR
<i>Spicaria elegans</i>	233	USSR
<i>Thamnidium elegans</i>	233	USSR
<i>Thecospora padi</i>	233	USSR
<i>Trichoderma lignorum</i>	233	USSR
<i>Typhula peronata</i>	233	USSR
<i>Verticillium</i> sp.	128	UK
<i>V. glaucum</i>	233	USSR
<i>Picea engelmannii</i> Parry ex Engelm.		
<i>Alternaria</i> sp.	100	USA
<i>Aspergillus</i> sp.	100	USA
<i>Aureobasidium</i> sp.	100	USA
Bacteria	100	USA
<i>Caloscypha fulgens</i>	123, 300, 299, 331, 298	Canada, USA
<i>Cladosporium</i> sp.	100	USA
<i>Mucor</i> sp.	100	USA
<i>Penicillium</i> sp.	100	USA
<i>Rhizopus</i> sp.	100	USA
<i>Sirococcus strobilinus</i>	301, 302, 136, 210	USA, Canada
<i>Trichoderma</i> sp.	100	USA
Sterile fungi	100	USA

Host and organism/ Hôte et organisme	Ref. No./ Réf.	Country/ Pays
<i>Picea excelsa</i> Link		
<i>Acremonia atra</i>	315	Czechoslovakia
<i>Acrostagmus cinnabarinus</i>	315	Czechoslovakia
<i>Alternaria brassicae</i>	315	Czechoslovakia
<i>A. tenuis</i>	315	Czechoslovakia
<i>Aspergillus flavus</i>	315	Czechoslovakia
<i>A. niger</i>	315	Czechoslovakia
<i>A. oryzae</i>	315	Czechoslovakia
<i>Bacillus mycoides</i>	223	Yugoslavia
<i>B. subtilis</i>	223	Yugoslavia
<i>Botrytis allii</i>	315	Czechoslovakia
<i>B. cinerea</i>	315	Czechoslovakia
<i>Cephalosporium acremonium</i>	315	Czechoslovakia
<i>C. subverticillatum</i>	315	Czechoslovakia
<i>Chaetomium globosum</i>	315	Czechoslovakia
<i>Cladosporium epiphyllum</i>	315	Czechoslovakia
<i>C. herbarum</i>	315	Czechoslovakia
<i>C. naumovi</i>	315	Czechoslovakia
<i>C. sphaerosperum</i>	315	Czechoslovakia
<i>Coniosporium atterimum</i>	315	Czechoslovakia
<i>Coniothyrium quercinum</i>	315	Czechoslovakia
<i>Curvularia inequalis</i>	315	Czechoslovakia
<i>Cylindrocarpon radicolica</i>	315	Czechoslovakia
<i>Fusarium arthrosporioides</i>	315	Czechoslovakia
<i>F. culmorum</i>	315	Czechoslovakia
<i>F. heterosporum</i>	315	Czechoslovakia
<i>F. lateritium</i>	315	Czechoslovakia
<i>F. moniliforme</i>	315	Czechoslovakia
<i>F. oxysporum</i>	315	Czechoslovakia
<i>F. redolens</i>	315	Czechoslovakia
<i>F. sarcochrum</i>	315	Czechoslovakia
<i>F. semitectum</i>	315	Czechoslovakia
<i>F. solani</i>	315	Czechoslovakia
<i>F. sporotrichioides</i>	315	Czechoslovakia
<i>Gliocladium roseum</i>	315	Czechoslovakia
<i>Helminthosporium rostratum</i>	315	Czechoslovakia
<i>H. sativum</i>	315	Czechoslovakia
<i>Melanconium apiocarpon</i>	315	Czechoslovakia
<i>M. bicolor</i>	315	Czechoslovakia
<i>Mucor plumbeus</i>	315	Czechoslovakia
<i>M. racemosus</i>	315	Czechoslovakia
<i>M. ramanianus</i>	315	Czechoslovakia
<i>Oospora verticilloides</i>	315	Czechoslovakia
<i>Ophiostoma</i> sp.	315	Czechoslovakia
<i>Paecilomyces varioti</i>	315	Czechoslovakia
<i>Penicillium arenarium</i>	315	Czechoslovakia
<i>P. chrysogenum</i>	315	Czechoslovakia
<i>P. crustaceum</i>	315	Czechoslovakia
<i>P. divergens</i>	315	Czechoslovakia
<i>P. roqueforti</i>	315	Czechoslovakia
<i>Pestalotia glandicola</i>	315	Czechoslovakia
<i>P. quercina</i>	315	Czechoslovakia
<i>Pseudomonas fluorescens</i>	223	Yugoslavia
<i>P. herbicola</i>	223	Yugoslavia
<i>Pullularia</i> sp.	315	Czechoslovakia
<i>Rhizopus arrhizus</i>	315	Czechoslovakia
<i>Stemphylium atrum</i>	315	Czechoslovakia
<i>S. ilicis</i>	315	Czechoslovakia
<i>S. piriforme</i>	315	Czechoslovakia
<i>Torula convoluta</i>	315	Czechoslovakia
<i>Trichoderma lignorum</i>	315	Czechoslovakia
<i>Trichothecium roseum</i>	315	Czechoslovakia

Host and organism/ Hôte et organisme	Ref. No./ Réf.	Country/ Pays
<i>Verticillium albo-atrum</i>	315	Czechoslovakia
<i>Picea glauca</i> (Moench) Voss		
<i>Alternaria alternata</i>	192, 190	Canada
<i>Aureobasidium pullulans</i>	192	Canada
<i>Caloscypha fulgens</i>	88, 298	Canada
<i>Cladosporium cladosporioides</i>	192	Canada
<i>C. herbarum</i>	192	Canada
<i>Epicoccum purpurascens</i>	192	Canada
<i>Fusarium oxysporum</i>	190	Canada
<i>F. sporotrichioides</i>	192	Canada
<i>Monochaetia</i> sp.	192	Canada
<i>Mucor hiemalis</i>	192	Canada
<i>Paecilomyces</i> sp.	192	Canada
<i>Papulaspora</i> sp.	192	Canada
<i>Penicillium aurantiogriseum</i>	192	Canada
<i>P. thomii</i>	192	Canada
<i>P. variabile</i>	190	Canada
<i>Rhizopus nigricans</i>	192	Canada
<i>Sirococcus strobilinus</i>	302	Canada
<i>Trichoderma koningii</i>	192	Canada
<i>T. viride</i>	192	Canada
<i>Trichothecium roseum</i>	192	Canada
<i>Ulocladium atrum</i>	192	Canada
<i>Picea glauca</i> x <i>P. engelmannii</i>		
<i>Caloscypha fulgens</i>	298	Canada
<i>Sirococcus strobilinus</i>	302	Canada
<i>Picea sitchensis</i> (Bong.) Carr.		
<i>Alternaria</i> sp.	258	UK
<i>Aspergillus</i> sp.	258	UK
<i>Caloscypha fulgens</i>	258, 123	UK, USA
<i>Ceratobasidium</i> spp.	258	UK
<i>Chaetomium</i> spp.	258	UK
<i>Cylindrocarpon</i> spp.	258	UK
<i>Epicoccum</i> sp.	258	UK
<i>Fusarium</i> spp.	258	UK
<i>Gliocladium roseum</i>	258	UK
<i>Humicola</i> sp.	258	UK
<i>Mucor</i> spp.	258	UK
<i>Penicillium</i> spp.	258	UK
<i>Phialophora</i> sp.	258	UK
<i>Rhizoctonia solani</i>	258	UK
<i>Rhizopus</i> spp.	258	UK
<i>Sirococcus strobilinus</i>	302	Canada
<i>Stemphylium</i> sp.	258	UK
<i>Trichoderma</i> sp.	258	UK
<i>Verticillium</i> sp.	258	UK
Sterile fungi	258	UK
<i>Piliostigma malabaricum</i> Benth.		
<i>Aspergillus flavus</i>	73, 237	Philippines
<i>A. niger</i>	73, 237	Philippines
<i>Chaetomium</i> sp.	237	Philippines
<i>Fusarium moniliforme</i>	73	Philippines
<i>F. semitectum</i>	73, 237	Philippines
<i>F. solani</i>	73	Philippines

Host and organism/ Hôte et organisme	Ref. No./ Réf.	Country/ Pays
<i>Penicillium</i> sp.	73, 237	Philippines
<i>Pinus</i> spp.		
<i>Diplodia pinea</i>	11, 242	UK, USA
<i>Geniculodendron</i> <i>pyriforme</i>	260	UK
<i>Lophodermium pinastri</i>	210	UK, North America
<i>Pestalotiopsis funerea</i>	128	UK
<i>Phoma</i> sp.	170	Japan
General	130, 155, 244	Japan
<i>Pinus armandii</i> var. <i>masteriana</i>		
<i>Aspergillus</i> sp.	142	Taiwan
Bacteria	142	Taiwan
<i>Chaetomella</i> sp.	142	Taiwan
<i>Curcularia</i> sp.	142	Taiwan
<i>Diplodia</i> sp.	142	Taiwan
<i>Fusarium</i> sp.	142	Taiwan
<i>Gloeosporium</i> sp.	142	Taiwan
<i>Graphium</i> sp.	142	Taiwan
<i>Mucor</i> sp.	142	Taiwan
<i>Pestalotia</i> sp.	142	Taiwan
<i>Phoma</i> sp.	142	Taiwan
<i>Sphaeropsis</i> sp.	142	Taiwan
<i>Verticillium</i> sp.	142	Taiwan
Sterile fungi	142	Taiwan
<i>Pinus caribaea</i> Morel.		
<i>Aspergillus</i> spp.	126	Belize
<i>A. candidus</i>	49	Thailand
<i>A. flavus</i>	49	Thailand
<i>A. glaucus</i>	126	Belize
<i>A. niger</i>	49	Thailand
<i>Botryodiplodia</i> sp.	170	Madagascar
<i>B. theobromae</i>	170, 241, 243	Guatemala, Nicaragua, Honduras*
<i>Botryosphaeria ribis</i>	269	UK
<i>Botrytis cinerea</i>	170	Cuba
<i>Chaetomium</i> sp.	170	Central America
<i>Cladosporium</i> <i>cladosporoides</i>	126	Belize
<i>Colletotrichum</i> sp.	126	UK
<i>Curcularia geniculata</i>	126	Belize
<i>C. verruculosa</i>	126	Belize
<i>Cylindrocarpon</i> sp.	126	Belize
<i>Drechslera bicolor</i>	170	Cuba
<i>Epicoccum nigrum</i>	126	Belize
<i>Eurotium</i> sp.	126	Belize
<i>Fusarium equiseti</i>	243	UK
<i>F. merismoides</i>	243	UK
<i>F. moniliforme</i>	126, 170, 243	Madagascar, Central America, Honduras
<i>F. oxysporum</i>	126, 170, 243	Cuba, Belize, UK
<i>F. semitectum</i>	170, 243	Cuba, UK
<i>F. solani</i>	170, 243	Cuba/Central America, UK

Host and organism/ Hôte et organisme	Ref. No./ Réf.	Country/ Pays
<i>Helminthosporium</i> sp.	126	Belize
<i>Isaria</i> sp.	126	Belize
<i>Macrophomina phaseolina</i>	170, 243	Central America, Madagascar, UK
<i>Mucor</i> sp.	126	Belize
<i>M. hiemalis</i>	126	Belize
<i>M. rammanianus</i>	126	Belize
<i>Penicillium</i> spp.	49, 126	Belize
<i>Penicillium lapidosum</i>	126	Belize
<i>P. notatum</i>	126	Belize, Thailand
<i>Pestalotia</i> sp.	170	Madagascar
<i>Phoma</i> sp.	126	Belize
<i>Spondylocladia</i> sp.	126	Belize
<i>Stemphylium</i> sp.	126	Belize
<i>Trichoderma</i> sp.	126	Belize
Sterile fungi	126	Belize
<i>Pinus caribaea</i> var. <i>bahamensis</i> Barr. & Golf.		
<i>Fusarium moniliforme</i>	170	Brazil
<i>Pinus caribaea</i> var. <i>caribaea</i> Barr. & Golf.		
<i>Fusarium moniliforme</i>	170	Brazil
<i>F. solani</i>	170	Brazil
<i>Pinus caribaea</i> var. <i>hondurensis</i> Barr. & Golf.		
<i>Fusarium moniliforme</i>	170	Brazil
<i>F. semitectum</i>	170	Brazil
<i>Phoma</i> sp.	170	Brazil
<i>Pinus contorta</i> Dougl.		
<i>Alternaria</i> sp.	100	USA
<i>Aspergillus</i> sp.	100	USA
<i>Aureobasidium</i> sp.	100	USA
Bacteria	298	Canada
<i>Caloscypha fulgens</i>	298	Canada
<i>Chaetomium</i> sp.	100	USA
<i>Cladosporium</i> sp.	100	USA
<i>Mucor</i> sp.	100	USA
<i>Paecilomyces</i> sp.	100	USA
<i>Penicillium</i> sp.	100	USA
<i>Rhizopus</i> sp.	100	USA
<i>Trichoderma</i> sp.	100	USA
Sterile fungi	100	USA
<i>Pinus elliotii</i> Engelm.		
<i>Aspergillus</i> sp.	142, 66	USA, Taiwan
Bacteria	254	USA, Taiwan
<i>Botryodiplodia</i> sp.	170, 66	USA
<i>Cephalosporium</i> sp.	66, 254	Taiwan, USA
<i>Chaetomium</i> sp.	66, 254	Taiwan, USA
<i>Dendrophoma</i> sp.	66	USA
<i>Diplodia</i> sp.	9, 254	USA, Taiwan
<i>Fusarium</i> sp.	66	USA, Taiwan
<i>F. moniliforme</i>	170	Canada, USA
<i>F. semitectum</i>	170	USA
<i>F. solani</i>	170, 254, 254	USA
<i>Fusicoccum</i> sp.	254	USA

Host and organism/ Hôte et organisme	Ref. No./ Réf.	Country/ Pays
<i>Geotrichum</i> sp.	66	USA
<i>Helminthosporium</i> sp.	254	USA
<i>Penicillium</i> sp.	66, 254	USA, Taiwan
<i>Pestalotia</i> sp.	66, 170, 254	USA
<i>Phomopsis</i> sp.	66	USA
<i>Rhizoctonia</i> sp.	254	Taiwan
<i>Sphaeropsis</i> sp.	66, 254	US, Taiwan
<i>Trichoderma</i> sp.	66	USA
<i>Verticillium</i> sp.	170, 254	USA, Taiwan
Sterile fungi	254	USA, Taiwan
<i>Pinus elliotii</i> Engelm. var. <i>elliotii</i>		
<i>Alternaria</i> sp.	251	Uruguay
<i>Aspergillus</i> sp.	251	Uruguay
<i>Cephalosporium</i> sp.	251	Uruguay
<i>Chaetomium globosum</i>	251	Uruguay
<i>Curtularia</i> sp.	251	Uruguay
<i>Diplodia gossypina</i>	175	USA
<i>Drechslera</i> sp.	251	Uruguay
<i>F. moniliforme</i>	170	Brazil
<i>F. moniliforme</i> var. <i>subglutinans</i>	2, 175	USA, Philippines
<i>F. semitectum</i>	251	Uruguay
<i>F. solani</i>	170	Brazil
<i>Gliocladium</i> sp.	251	Uruguay
<i>Mycothyra</i> sp.	251	Uruguay
<i>Oedocephalum</i> sp.	251	Uruguay
<i>Penicillium</i> sp.	251	Uruguay
<i>Pestalotiopsis guepinii</i>	251	Uruguay
<i>Rhizopus</i> sp.	251	Uruguay
<i>Trichoderma viride</i>	251	Uruguay
<i>Trichothecium roseum</i>	251	Uruguay
<i>Verticillium</i> sp.	251	Uruguay
<i>Pinus echinata</i> Mill.		
<i>Fusarium moniliforme</i> var. <i>subglutinans</i>	296	USA
<i>Pinus insularis</i> Endl.		
<i>Alternaria tenuis</i>	2	Philippines
<i>Cladosporium</i> <i>cladosporoides</i>	2	Philippines
<i>Drechslera maydis</i>	2	Philippines
<i>Fusarium moniliforme</i>	2	Philippines
<i>Macrophomina phaseolina</i>	2	Philippines
<i>Pestalotia</i> sp.	2	Philippines
<i>Phoma</i> sp.	2	Philippines
<i>Stemphylium radicinum</i>	2	Philippines
Sterile fungi	2	Philippines
<i>Pinus kesiya</i> Royle ex Gord.		
<i>Aspergillus flavus-oryzae</i>	49	Thailand
<i>A. niger</i>	73, 237	Philippines
<i>A. ochraceus</i>	49	Thailand
<i>A. versicolor</i>	49	Thailand
Bacteria	49	Thailand
<i>Bispora antennata</i>	49	Thailand
<i>Cephalosporium</i> <i>acremonium</i>	49	Thailand

Host and organism/ Hôte et organisme	Ref. No./ Réf.	Country/ Pays
<i>Chaetomium</i> sp.	49	Thailand
<i>Cladosporium</i> sp.	49	Thailand
<i>Curtularia lunata</i>	49	Thailand
<i>Fusarium semitectum</i>	73, 237	Philippines
<i>Penicillium</i> spp.	49, 73, 237	Philippines, Thailand
<i>Pinus khasya</i> Royle		
<i>Botryodiplodia</i> sp.	170	Madagascar
<i>Fusarium moniliforme</i>	170	Brazil, Madagascar
<i>F. semitectum</i>	170	Madagascar
<i>Pestalotia</i> sp.	170	Zambia, Madagascar
<i>Phoma</i> sp.	170	Philippines, Zambia
<i>Pinus lambertiana</i> Dougl.		
<i>Cylindrocadium</i> sp.	274	USA
<i>Fusarium oxysporum</i>	60	USA*
<i>F. roseum</i>	276	USA*
<i>Mucor</i> sp.	274	USA
<i>Penicillium</i> sp.	274	USA
<i>Rhizopus</i> sp.	274	USA
<i>Pinus luchuensis</i>		
<i>Aspergillus</i> sp.	142	Taiwan
Bacteria	142	Taiwan
<i>Diplodia</i> sp.	142	Taiwan
<i>Fusarium</i> sp.	142	Taiwan
Sterile fungi	142	Taiwan
<i>Pinus massoniana</i>		
<i>Aspergillus</i> sp.	142	Taiwan
<i>Diplodia</i> sp.	142	Taiwan
<i>Fusarium</i> sp.	142	Taiwan
<i>Pestalotia</i> sp.	142	Taiwan
<i>Phomopsis</i> sp.	142	Taiwan
<i>Rhizopus</i> sp.	142	Taiwan
<i>Sphaeropsis</i> sp.	142	Taiwan
<i>Stemphylium</i> sp.	142	Taiwan
Bacteria	412	Taiwan
<i>Pinus merkusii</i> Jungh. & de Vriese		
<i>Aspergillus</i> sp.	2	Philippines
<i>A. flavus</i>	49	Thailand
<i>A. fumigatus</i>	49	Thailand
<i>Botryodiplodia</i> <i>theobromae</i>	2, 49	Philippines, Thailand
<i>Cephalosporium</i> sp.	2	Philippines
<i>Curtularia lunata</i>	49	Thailand
<i>Fusarium equiseti</i>	170	Zambia
<i>F. moniliforme</i>	2	Philippines, Zambia
<i>F. semitectum</i>	2	Philippines
<i>F. solani</i>	2	Philippines
<i>Macrophomina phaseolina</i>	2	Philippines
<i>Memnoniella echinata</i>	49	Thailand
<i>Paecilomyces</i> sp.	49	Thailand

Host and organism/ Hôte et organisme	Ref. No/ Réf.	Country/ Pays
<i>Penicillium</i> sp.	2	Philippines
<i>Pestalotia</i> sp.	170	Zambia
<i>Phoma</i> sp.	49, 170	Zambia, Thailand
<i>Syncephalastrum racemosum</i>	49	Thailand
<i>Pinus merrisonicola</i>		
<i>Aspergillus</i> sp.	142	Taiwan
Bacteria	142	Taiwan
<i>Chaetomium</i> sp.	142	Taiwan
<i>Diplodia</i> sp.	142	Taiwan
<i>Fusarium</i> sp.	142	Taiwan
<i>Fusicoccum</i> sp.	142	Taiwan
<i>Gloeosporium</i> sp.	142	Taiwan
<i>Pestalotia</i> sp.	142	Taiwan
<i>Sphaeropsis</i> sp.	142	Taiwan
<i>Verticillium</i> sp.	142	Taiwan
Sterile fungi	142	Taiwan
<i>Pinus monticola</i> Dougl.		
<i>Caloscypha fulgens</i>	298	Canada
<i>Pinus nigra</i> Arnold		
<i>Alternaria</i> spp.	120	Hungary
<i>Aspergillus</i> spp.	120	Hungary
<i>Bacillus subtilis</i>	310	Italy
Bacteria	120	Hungary
<i>Botrytis cinerea</i>	120	Hungary
<i>Cladosporium herbarum</i>	120	Hungary
<i>Fusarium</i> spp.	120	Hungary
<i>Mucor</i> spp.	120	Hungary
<i>Penicillium</i> spp.	120	Hungary
<i>Rhizopus nigricans</i>	120	Hungary
<i>Rhizoctonia solani</i>	310	Italy
<i>Trichoderma</i> spp.	99	Hungary
<i>Trichothecium roseum</i>	99	Hungary
Sterile mycelia	120	Hungary
<i>Pinus occidentalis</i> Sw.		
<i>Fusarium moniliforme</i>		Cuba
<i>Pinus oocarpa</i> Schiede		
<i>Aspergillus niger</i>	241	Honduras
<i>Botryodiplodia theobromae</i>	170, 243	Central America, UK
<i>Botryosphaeria ribis</i>	243	UK
<i>Chaetomium</i> sp.	170	Central America
<i>Colletotrichum</i> sp.	243	UK
<i>Fusarium equiseti</i>	243	UK
<i>F. merismoides</i> var. <i>acetilereum</i>	243	UK
<i>F. moniliforme</i>	170, 243	Central America, India, UK
<i>F. moniliforme</i> var. <i>subglutinans</i>	243	UK
<i>F. oxysporum</i>	243	UK
<i>F. semitectum</i>	243	UK

Host and organism/ Hôte et organisme	Ref. No/ Réf.	Country/ Pays
<i>F. solani</i>	170, 243	Central America, UK
<i>Macrophoma sapinea</i>	243	UK
<i>Pestalotia</i> sp.	170	Zambia
<i>Pestalotiopsis foedans</i>	170	Central America, Zambia
<i>Phoma</i> sp.	170	Central America
<i>Trichoderma</i> spp.	241	Honduras
<i>Pinus palustris</i> Mill.		
<i>Fusarium moniliforme</i>	221	USA*
<i>F. oxysporum</i>	221	USA*
<i>F. roseum</i>	221	USA
<i>F. solani</i>	221	USA*
<i>F. tricinctum</i>	221	USA
<i>Pinus patula</i> Schiede & Deppe		
<i>Aspergillus</i> sp.	106	East Africa
<i>A. tamarii</i>	106	Kenya
<i>Chaetomium cochliodes</i>	106	Kenya
<i>Cladosporium</i> sp.	106	Kenya
<i>Fusarium semitectum</i>	170	Madagascar
<i>Mucor</i> sp.	106	East Africa
<i>Mucor hiemalis</i>	106	Kenya
<i>Pestalotia</i> sp.	170	Madagascar
<i>Rhizopus</i> sp.	106	East Africa
<i>R. arrhizus</i>	106	Kenya
<i>Trichoderma</i> sp.	106	East Africa
<i>T. koeningii</i>	106	Kenya
<i>Trichothecium</i> sp.	106	East Africa
<i>Pinus pinaster</i> Ait.		
<i>Chaetomium globosum</i>	251	Uruguay
<i>Fusarium moniliforme</i>	196, 251	Uruguay, Italy
<i>F. moniliforme</i> var. <i>subglutinans</i>	194	Italy
<i>F. semitectum</i>	251	Uruguay
<i>Pinus ponderosa</i> Laws.		
<i>Alternaria</i> sp.	100	USA
<i>A. alternata</i>	138, 139	USA
<i>Aspergillus</i> sp.	138, 139,	USA*†
	100	
<i>Aureobasidium</i> sp.	100	USA
<i>A. pullulans</i>	138, 139	USA
Bacteria	100, 138,	USA
	139	
<i>Botrytis cinerea</i>	138, 139	USA
<i>Caloscypha fulgens</i>	298	Canada
<i>Cephalosporium</i> sp.	138, 139	USA
<i>Cladosporium</i> sp.	100	USA
<i>C. cucumerinum</i>	138, 139	USA
<i>Diplodia pinea</i>	138, 139	USA
<i>Fusarium oxysporum</i>	100, 138,	USA*†
	139	
<i>F. solani</i>	138, 139	USA*†
<i>Lacellina graminicola</i>	138, 139	USA
<i>Mucor</i> sp.	100	USA
<i>M. mucedo</i>	138, 139	USA
<i>Penicillium</i> sp.	100	USA

Host and organism/ Hôte et organisme	Ref. No./ Réf.	Country/ Pays
<i>P. chrysogenum</i>	138, 139	USA*
<i>P. claviforme</i>	138, 139	USA*
<i>P. expansum</i>	138, 139	USA*
<i>P. fuscum</i>	138, 139	USA*
<i>P. glabrum</i>	138, 139	USA*
<i>P. oxalicum</i>	138, 139	USA*
<i>P. viridicatum</i>	138, 139	USA*
<i>Phoma</i> sp.	138, 139	USA
<i>Pyrenochaeta</i> sp.	138, 139	USA
<i>Pythium</i>	138, 139	USA
<i>aphanidermatum</i>		
<i>Rhizopus</i> sp.	100	USA
<i>R. arrhizus</i>	138, 139	USA
<i>Trichoderma</i> sp.	100	USA
<i>T. viride</i>	138, 139	USA
<i>Trichothecium roseum</i>	138, 139	USA*†
<i>Ulocladium</i> sp.	138, 139	USA
<i>Verticillium</i> sp.	138, 139	USA
Yeast	138, 139	USA
Sterile mycelia	100	USA
<i>Pinus pseudostrabus</i> Lindl.		
<i>Botryodiplodia theobromae</i>	243	UK
<i>Botryosphaeria ribis</i>	243	UK
<i>Colletotrichum</i> sp.	243	UK
<i>Fusarium equiseti</i>	243	UK
<i>F. merismoides</i> var. <i>acetilereum</i>	243	UK
<i>F. moniliforme</i>	243	UK
<i>F. moniliforme</i> var. <i>subglutinans</i>	243	UK
<i>F. oxysporum</i>	243	UK
<i>F. semitectum</i>	243	UK
<i>F. solani</i>	243	UK
<i>Macrophoma sapinea</i>	243	UK
<i>Pinus pungens</i> Lamb.		
<i>Fusarium moniliforme</i>	170	USA
<i>Pinus radiata</i> D. Don		
General control	148	Australia
<i>Pinus resinosa</i> Ait		
<i>Geniculodendron pyriforme</i>	88	Canada
<i>Pinus roxburghii</i> Sarg.		
<i>Alternaria alternata</i>	198	India
<i>A. tenuissima</i>	188	India
<i>Aspergillus candidus</i>	188	India
<i>A. flavus</i>	198	India
<i>A. funiculosus</i>	188	India
<i>A. humicola</i>	198	India
<i>A. niger</i>	188, 198	India
<i>A. terricola</i>	188	India
<i>A. versicolor</i>	188	India
<i>Chaetomium bostrychodes</i>	188, 198	India

Host and organism/ Hôte et organisme	Ref. No./ Réf.	Country/ Pays
<i>C. globosum</i>	198	India
<i>C. homophilatum</i>	188	India
<i>C. spirale</i>	198	India
<i>Cladosporium cladosporoides</i>	188	India
<i>Coniothecium</i> sp.	198	India
<i>C. atrum</i>	198	India
<i>Curvularia</i> sp.	198	India
<i>C. pallescens</i>	198	India
<i>Drechslera dematioidea</i>	188	India
<i>Fusarium bulbigenum</i> var. <i>blasticola</i>	198	India
<i>F. equiseti</i>	170	India
<i>Fusarium nitale</i>	198	India
<i>F. oxysporum</i>	188	India
<i>F. oxysporum</i> var. <i>aurantiacum</i>	198	India
<i>F. semitectum</i>	188	India
<i>F. sporotrichioides</i>	198	India
<i>Helminthosporium</i> sp.	198	India
<i>Memnoniella echinata</i>	188, 198	India
<i>Mucor globosus</i>	198	India
<i>M. hiemalis</i>	198	India
<i>Oedocephalum glomerulosum</i>	198	India
<i>O. lineatum</i>	188	India
<i>Penicillium</i> sp.	198	India
<i>P. brevicompactum</i>	188	India
<i>P. canadense</i>	188	India
<i>P. decumbens</i>	188	India
<i>P. notatum</i>	188	India
<i>P. rubrum</i>	188	India
<i>Periconia</i> sp.	188	India
<i>Pestalotia</i> sp.	198	India
<i>Phoma glomerata</i>	198	India
<i>P. hibernica</i>	198	India
<i>Rhizopus arrhizus</i>	188, 198	India
<i>R. cohnii</i>	188	India
<i>R. oryzae</i>	188	India
<i>Sordaria fimicola</i>	198	India
<i>Stachybotrys alternans</i>	188	India
<i>S. atra</i>	198	India
<i>Stemphylium botryosum</i>	198	India
<i>Stilbella nanum</i>	198	India
<i>Stysanus medius</i>	198	India
<i>Thielavia terricola</i>	198	India
<i>Trichoderma viride</i>	198	India
General control	188, 198	India
<i>Pinus strobus</i> L.		
<i>Acremoniella atra</i>	192	Canada
<i>Alternaria alternata</i>	192	Canada
<i>Aureobasidium pullulans</i>	192	Canada
<i>Cladosporium cladosporoides</i>	192	Canada
<i>C. herbarum</i>	192	Canada
<i>Epicoccum purpurascens</i>	192	Canada
<i>Fusarium sporotrichioides</i>	192	Canada
<i>Mucor hiemalis</i>	192	Canada
<i>Penicillium aurantiogriseum</i>	192	Canada
<i>P. thomii</i>	192	Canada
<i>Rhizopus nigricans</i>	192	Canada
<i>Trichoderma viride</i>	192	Canada

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<i>Trichothecium roseum</i>	192	Canada
<i>Pinus sylvestris</i> L.		
<i>Acremonia atra</i>	315	Czechoslovakia
<i>Acrostalagmus cinnabarinus</i>	315, 97	Czechoslovakia
<i>Actinomyces</i> sp.	101	Poland
<i>Alternaria</i> sp.	120	Hungary
<i>A. brassicae</i>	315	Czechoslovakia
<i>A. circinans</i>	233	USSR
<i>A. irridicola</i>	233	USSR
<i>A. peponis</i>	233	USSR
<i>A. radicina</i>	233	USSR
<i>A. tenuis</i>	233, 315, 97	Czechoslovakia, USSR
<i>Aspergillus</i> spp.	120	Hungary
<i>A. candidum</i>	233	USSR
<i>A. flavus</i>	101, 77	Poland, Czechoslovakia
<i>A. glaucus</i>	233	USSR
<i>A. niger</i>	97, 77, 233, 315	Czechoslovakia, Poland, USSR
<i>A. oryzae</i>	315	Czechoslovakia
<i>A. ochraceus</i>	233	USSR
Bacteria	101	Poland
<i>Botrytis allii</i>	315	Czechoslovakia
<i>B. cinerea</i>	77, 315, 101, 97	Czechoslovakia, Poland, USSR
<i>Cephalosporium acremonium</i>	315	Czechoslovakia
<i>C. subverticillatum</i>	315	Czechoslovakia
<i>Cephalothecium roseum</i>	154	USSR
<i>Chaetomium</i> sp.	101	Poland
<i>C. bostrychodes</i>	77	Czechoslovakia
<i>C. indicum</i>	77	Czechoslovakia
<i>C. globosum</i>	101, 97, 315	Czechoslovakia, Poland
<i>C. spirale</i>	101	Poland
<i>Chetostylum fraserii</i>	233	USSR
<i>Cladosporium</i> sp.	77	Czechoslovakia
<i>C. epiphyllum</i>	233, 315	Czechoslovakia, USSR
<i>C. herbarum</i>	315, 233, 120	Czechoslovakia, USSR, Hungary
<i>C. naumovi</i>	315	Czechoslovakia
<i>C. sphaerospermum</i>	315	Czechoslovakia
<i>Coniosporium aterrimum</i>	315	Czechoslovakia
<i>Coniothyrium conicola</i>	233	USSR
<i>C. quercinum</i>	315	Czechoslovakia
<i>Curreya conorum</i>	77	Czechoslovakia
<i>Curvularia inequalis</i>	315	Czechoslovakia
<i>Cylindrocarpon radicola</i>	315	Czechoslovakia
<i>Cylindrocephalum stellatum</i>	233	USSR
<i>Dicoccum aspernum</i>	233	USSR
<i>Diplodia conigena</i>	233	USSR
<i>Fusarium</i> spp.	101, 120	Hungary, Poland
<i>F. arthrosporioides</i>	315	Czechoslovakia
<i>F. avenaceum</i>	233	USSR
<i>F. coeruleum</i>	233	USSR
<i>F. culmorum</i>	315	Czechoslovakia
<i>F. heterosporum</i>	315	Czechoslovakia
<i>F. lateritium</i>	315	Czechoslovakia

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<i>F. moniliforme</i>	233, 315	Czechoslovakia, USSR
<i>F. oxysporum</i>	97, 233, 315	Czechoslovakia, USSR
<i>F. redolens</i>	97, 315	Czechoslovakia, USSR
<i>F. sarcochrum</i>	315	Czechoslovakia
<i>F. semitectum</i>	315	Czechoslovakia
<i>F. solani</i>	233, 315	Czechoslovakia, USSR
<i>F. sporotrichioides</i>	233, 315	Czechoslovakia, USSR
<i>Geniculodendron pyriforme</i>	88	Canada
<i>Gliocladium roseum</i>	315	Czechoslovakia
<i>Gonatobotrys</i> sp.	77	Czechoslovakia
<i>Helicomyces candidus</i>	233	USSR
<i>Helicostylum elegans</i>	233	USSR
<i>Helminthosporium rostratum</i>	315	Czechoslovakia
<i>H. sativum</i>	233	USSR
<i>Helotium virgultorum</i>	233	USSR
<i>Hendersonia strobilina</i>	233	USSR
<i>Hormiscium antiquum</i>	233, 77	USSR, Czechoslovakia
<i>H. stilbosporum</i>	233, 77	USSR, Czechoslovakia
<i>Hydnium auricalpium</i>	233	USSR
<i>Hypoderma contiguum</i>	233, 77	USSR, Czechoslovakia
<i>Melanconium apiocarpon</i>	315	Czechoslovakia
<i>M. bicolor</i>	315	Czechoslovakia
<i>Monilia sitophyla</i>	233	USSR
<i>Mucor</i> spp.	101, 120	Hungary, Poland
<i>M. albo-ater</i>	233	USSR
<i>M. mucedo</i>	77, 233	USSR, Czechoslovakia
<i>M. plumbeus</i>	233, 315	Czechoslovakia, USSR
<i>M. racemosus</i>	233, 315	Czechoslovakia, USSR
<i>M. rumanianus</i>	315	Czechoslovakia
<i>Oedocephalum glomerulosum</i>	101	Poland
<i>Oospora verticilloides</i>	315	Czechoslovakia
<i>Ophiostoma</i> sp.	315	Czechoslovakia
<i>Paecilomyces varioti</i>	315	Czechoslovakia
<i>Penicillium</i> sp.	101, 120	Poland, Hungary
<i>P. arenarium</i>	315	Czechoslovakia
<i>P. canadicum</i>	233	USSR
<i>P. chrysogenum</i>	315	Czechoslovakia
<i>P. crustaceum</i>	101	Poland
<i>P. divergens</i>	315	Czechoslovakia
<i>P. expansum</i>	233	USSR
<i>P. glaucum</i>	77	Czechoslovakia
<i>P. roqueforti</i>	315	Czechoslovakia
<i>Pestalotia glandicola</i>	315	Czechoslovakia
<i>P. quercina</i>	315	Czechoslovakia
<i>Phragmotrichum chailletii</i>	233	USSR
<i>Propolis rhodolenta</i>	77, 233	USSR, Czechoslovakia
<i>Pullularia</i> sp.	233, 315	Czechoslovakia

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<i>Pyronema amphalodes</i>	101	Poland
<i>Rhizotrichum repens</i>	77	Czechoslovakia
<i>Rhizopus arrhizus</i>	101, 315	Czechoslovakia, Poland
<i>R. nigricans</i>	120, 233	Hungary, USSR
<i>Scopulariopsis brevicaulis</i>	233	USSR
<i>Sordaria fimicola</i>	77, 233	USSR, Czechoslovakia
<i>Spicaria dimericata</i>	77	Czechoslovakia
<i>S. elegans</i>	77, 233	Czechoslovakia, USSR
<i>Stachybotrys lobulata</i>	101, 77	Poland, Czechoslovakia
<i>Stemphylium atrum</i>	315	Czechoslovakia
<i>S. ilicis</i>	315	Czechoslovakia
<i>S. paxianum</i>	77, 233	USSR, Czechoslovakia
<i>S. piriforme</i>	315	Czechoslovakia
<i>Stictis fimbriata</i>	77, 233	USSR, Czechoslovakia
<i>Stysanus medius</i>	101	Poland
<i>Syncephalastrum cinereum</i>	233	USSR
<i>Thamnidium elegans</i>	77, 233	USSR, Czechoslovakia
<i>Torula convoluta</i>	315	Czechoslovakia
<i>T. herbarum</i>	77	Czechoslovakia
<i>Trichoderma</i> sp.	102	Hungary
<i>T. lignorum</i>	233, 315	Czechoslovakia, USSR
<i>Trichothecium roseum</i>	101, 77, 233, 120	Czechoslovakia, Poland, USSR, Hungary
<i>Typhula peronata</i>	233	USSR
<i>Verticillium albo-atrum</i>	77, 315	Czechoslovakia, USSR
<i>V. glaucum</i>	233	USSR
<i>Zygorhynchus ouillemini</i>	233	USSR
<i>Pinus taeda</i> L.		
<i>Acrospeira</i> sp.	8	USA
<i>Alternaria</i> sp.	8	USA
<i>Aspergillus</i> sp.	8, 66, 169	USA
<i>Asteromella</i> sp.	8	USA
<i>Bispora</i> sp.	8	USA
<i>Botryodiplodia</i> sp.	66	USA
<i>Candida</i> sp.	8, 66	USA
<i>Cephalosporium</i> sp.	8	USA
<i>Chaetomium</i> sp.	8	USA
<i>Chaetophoma</i> sp.	8, 66	USA
<i>Chlamydomyces</i> sp.	8	USA
<i>Cladosporium</i> sp.	8	USA
<i>Curtularia</i> sp.	8, 169	USA
<i>Dendrophoma</i> sp.	8	USA
<i>Diplodia</i> sp.	8	USA
<i>D. pinea</i>	251	Uruguay
<i>Epicoccum nigrum</i>	169	USA
<i>Erysiphe</i> sp.	8	USA
<i>Fusarium</i> sp.	66	USA
<i>F. moniliforme</i>	169, 170	Brazil, Canada, USA
<i>F. moniliforme</i> var.	10, 23	USA*

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<i>subglutinans</i>		
<i>F. oxysporum</i>	169, 251	USA, Uruguay
<i>F. roseum</i>	169	USA
<i>F. semitectum</i>	170	Canada
<i>F. solani</i>	170	USA
<i>F. tricinctum</i>	169	USA
<i>Geotrichum</i> sp.	8, 169	USA
<i>Gilmaniella</i> sp.	8	USA
<i>Gliocladium</i> sp.	8	USA
<i>Gonatobotrys</i> sp.	8	USA
<i>Gonatobotryum</i> sp.	8	USA
<i>Hansfordia</i> sp.	8	USA
<i>Helminthosporium</i> sp.	8, 66	USA
<i>Humicola</i> sp.	8	USA
<i>Hyalodendron</i> sp.	8, 169	USA
<i>Isaria</i> sp.	8	USA
<i>Melanospora</i> sp.	8	USA
<i>Metarrhizium</i> sp.	8	USA
<i>Monilia</i> sp.	8	USA
<i>Monocillium</i> sp.	8	USA
<i>Monotropa</i> sp.	8	USA
<i>Myrothecium roridum</i>	170	USA
<i>Nigrospora</i> spp.	8, 66	USA
<i>Nodulisporium</i> sp.	8	USA
<i>Oidium</i> sp.	8	USA
<i>Olpitrichum</i> sp.	8	USA
<i>Papulaspora</i> sp.	8	USA
<i>Penicillium</i> sp.	8, 66, 169	USA
<i>Pestalotia</i> sp.	8, 66, 169	USA, Uruguay
<i>Phomopsis</i> sp.	8, 66	USA
<i>Phytophthora</i> sp.	66	USA
<i>Rhizopus</i> sp.	8, 66	USA
<i>R. arrhizus</i>	169	USA
<i>Sphaeronaema</i> sp.	8	USA
<i>Sphaeropsis</i> sp.	66	USA
<i>Spondyliocladium</i> sp.	8	USA
<i>Sporothrix</i> sp.	8	USA
<i>Staphylotrichum</i> sp.	8	USA
<i>Syncephalastrum</i> <i>racemosum</i>	169	USA
<i>Tetracoccusporium</i> sp.	8	USA
<i>Torula</i> sp.	8, 66	USA
<i>Trichaeum</i> sp.	8	USA
<i>Trichoderma</i> sp.	8, 66	USA
<i>Trichothecium</i> sp.	8, 66	USA
<i>T. roseum</i>	251	Uruguay
<i>Tritirachium</i> sp.	8	USA
<i>Umbelopsis</i> sp.	8	USA
<i>Verticillium</i> sp.	8	USA
<i>Pinus taiwanensis</i> Hayata		
<i>Aspergillus</i> sp.	142	Taiwan
Bacteria	142	Taiwan
<i>Diplodia</i> sp.	142	Taiwan
<i>Fusarium</i> sp.	142	Taiwan
<i>Pestalotia</i> sp.	142	Taiwan
<i>Rhizopus</i> sp.	142	Taiwan
<i>Sphaeropsis</i> sp.	142	Taiwan
<i>Verticillium</i> sp.	142	Taiwan
Sterile hyphae	142	Taiwan

Host and organism/ Hôte et organisme	Ref. No./ Réf.	Country/ Pays
<i>Pinus thunbergiana</i> Franco		
<i>Aspergillus</i> sp.	142	Taiwan
Bacteria	142	Taiwan
<i>Diplodia</i> sp.	142	Taiwan
<i>Fusarium</i> sp.	142	Taiwan
<i>Pestalotia</i> sp.	142	Taiwan
<i>Rhizopus</i> sp.	142	Taiwan
<i>Sphaeropsis</i> sp.	142	Taiwan
Sterile mycelia	142	Taiwan
<i>Pinus wallichiana</i> A.B. Jacks.		
<i>Alternaria alternata</i>	189, 198	India
<i>Aspergillus caespitosus</i>	189	India
<i>A. candidus</i>	189	India
<i>A. flavus</i>	198	India
<i>A. funiculosus</i>	189	India
<i>A. fumigatus</i>	189	India
<i>A. luchuensis</i>	189	India
<i>A. niger</i>	189, 198	India
<i>A. sydowi</i>	189	India
<i>A. terricola</i>	189	India
<i>A. versicolor</i>	189	India
<i>Cephalosporium</i> sp.	198	India
<i>Chaetomium bostrychodes</i>	198	India
<i>C. globosum</i>	198	India
<i>C. homophilatum</i>	189	India
<i>C. murorum</i>	189	India
<i>Cladosporium oxysporum</i>	189	India
<i>Curvularia</i> sp.	198	India
<i>C. pallens</i>	198	India
<i>Fusarium bulbigenum</i> var. <i>blasticola</i>	198	India
<i>F. oxysporum</i> var. <i>aurantiacum</i>	198	India
<i>F. semitectum</i>	189	India
<i>F. sporotrichioides</i>	198	India
<i>Gliocladium roseum</i>	189	India
<i>Helminthosporium</i> sp.	198	India
<i>Memnoniella echinata</i>	198	India
<i>Mortierella isabellina</i>	189	India
<i>Mucor</i> sp.	189	India
<i>M. globosum</i>	198	India
<i>M. hiemalis</i>	198	India
<i>Oedocephalum</i> sp.	198	India
<i>Penicillium</i> sp.	198	India
<i>P. albicans</i>	189	India
<i>P. canadense</i>	189	India
<i>P. expansum</i>	189	India
<i>P. notatum</i>	189	India
<i>Perisporium vulgare</i>	198	India
<i>Pestalotia</i> sp.	198	India
<i>Phoma glomerata</i>	198	India
<i>P. hibernica</i>	198	India
<i>Rhizopus arrhizus</i>	198	India
<i>R. oryzae</i>	189	India
<i>Sordaria fimicola</i>	198	India
<i>Stachybotrys atra</i>	198	India
<i>Stemphylium botryosum</i>	198	India
<i>Stilbella nanum</i>	198	India
<i>Thielavia terricola</i>	198	India
<i>Trichoderma viride</i>	189, 198	India
Sterile fungi	189	India

Host and organism/ Hôte et organisme	Ref. No./ Réf.	Country/ Pays
General control	189, 198	India
<i>Pistacia vera</i> L.		
<i>Nematospora coryli</i>	247	Central Asia§
<i>Pittosporum resiniferum</i> Hemsl.		
<i>Aspergillus flavus</i>	73, 237	Philippines
<i>A. niger</i>	73	Philippines
<i>Cladosporium cladosporioides</i>	237	Philippines
<i>Fusarium moniliforme</i>	73	Philippines
<i>F. solani</i>	73, 237	Philippines
<i>Penicillium</i> sp.	73	Philippines
<i>Platanus occidentalis</i> L.		
<i>Alternaria</i> spp.	91	USA
<i>Aspergillus amstelodami</i>	91	USA
<i>A. niger</i>	91	USA
<i>A. ochraceus</i>	91	USA
<i>A. repens</i>	91	USA
<i>A. ruber</i>	91	USA
<i>Aureobasidium pullulans</i>	91	USA
<i>Bipolaris</i> sp.	91	USA
<i>Calcarisporium</i> sp.	91	USA
<i>Chaetomium cochliodes</i>	91	USA
<i>Cladosporium cladosporioides</i>	91	USA
<i>Coniothyrium</i> sp.	91	USA
<i>Curvularia intermedia</i>	91	USA
<i>Cytospora</i> sp.	91	USA
<i>Diplodia</i> sp.	91	USA
<i>Diplodina</i> sp.	91	USA
<i>Epicoccum nigrum</i>	91	USA
<i>Fusarium roseum</i>	91	USA
<i>F. moniliforme</i>	91	USA
<i>Gloeosporium</i> sp.	91	USA
<i>Helminthosporium spiciferum</i>	91	USA
<i>Nigrospora</i> sp.	91	USA
<i>Nodulisporium himmuleum</i>	91	USA
<i>Penicillium brevicompactum</i>	91	USA
<i>Penicillium</i> sp.	91	USA
<i>Pestalotia</i> spp.	91	USA
<i>Peyronellaea</i> sp.	91	USA
<i>Phoma</i> spp.	91	USA
<i>Phomopsis</i> sp.	91	USA
<i>Sordaria fimicola</i>	91	USA
<i>Stemphylium</i> sp.	91	USA
<i>Trichoderma koningii</i>	91	USA
<i>Xylaria</i> spp.	91	USA
<i>Polyscias nodosa</i> Seem.		
<i>Chaetomium</i> sp.	2	Philippines
<i>Cladosporium</i> sp.	2	Philippines
<i>Fusarium moniliforme</i>	2	Philippines
<i>F. semitectum</i>	2	Philippines
<i>Phoma</i> sp.	2	Philippines

Host and organism/ Hôte et organisme	Ref. No./ Réf.	Country/ Pays
<i>Pongamia pinnata</i> (L.) Pierre		
<i>Dothiorella</i> sp.	135	India*
<i>Glomerella cingulata</i>	135	India*
<i>Phoma</i> sp.	135	India*
<i>Populus</i> spp.		
<i>Marssonina brunnea</i>	290	New Zealand
<i>Populus tremuloides</i> Michx.		
Necrotic leaf spot virus	37	Canada
<i>Prosopis juliflora</i> (Sw.) DC.		
<i>Fusarium equiseti</i>	170	Chile*
<i>F. moniliforme</i>	170	Chile*, Brazil
<i>F. semitectum</i>	170	Chile*
<i>F. solani</i>	170	Chile*
<i>Pestalotia</i> sp.	170	Brazil
<i>Prosopis tamarugo</i> Phil.		
<i>Fusarium equiseti</i>	170	Chile
<i>F. semitectum</i>	170	Chile
<i>Prunus</i> spp.		
<i>Agrobacterium tumefaciens</i>	57	USA
Apricot gummosis virus	97	USA
<i>Prunus</i> necrotic ring spot virus	85, 97, 270	East Germany*
<i>Pseudomonas syringae</i>	57	USA
Virus	3	Romania
<i>Prunus americana</i> Marsh.		
<i>Prunus</i> necrotic ring spot virus	27	
<i>Prunus amygdalus</i> Batsch		
Bud failure virus	333	USA
Cherry necrotic rusty mottle virus	212	
<i>Gnomonia circumscissa</i>	14	Italy
<i>Prunus</i> necrotic ring spot virus	332	USA
<i>Prunus avium</i> (L.) L.		
Apricot gummosis virus	27	
<i>Prunus</i> dwarf virus	47, 305	UK, West Germany
Ring spot virus	32	Germany
<i>Prunus cerasus</i> L.		
Cherry necrotic rusty mottle virus	212	

Host and organism/ Hôte et organisme	Ref. No./ Réf.	Country/ Pays
<i>Prunus</i> dwarf virus	27, 173, 38, 109, 110	USA
<i>Prunus</i> necrotic ring spot virus	173, 104, 150	USA, Germany
<i>Prunus domestica</i> L.		
<i>Prunus</i> necrotic ring spot virus	309	
<i>Prunus mahaleb</i> L.		
<i>Prunus</i> dwarf virus	268, 48	E. Germany, USA
<i>Prunus</i> necrotic ring spot virus	48, 108	USA
<i>Prunus persica</i> Batsch		
<i>Prunus</i> dwarf virus	96	USA
<i>Prunus</i> necrotic ring spot virus	96, 176, 375	USA
<i>Prunus serotina</i> Ehrh.		
Cherry leaf-roll virus	272, 273	East Germany
<i>Pseudotsuga menziesii</i> (Mirb.) Franco		
<i>Alternaria</i> spp.	257	Canada
<i>A. consortiale</i>	115	USA
<i>A. tenuis</i>	115	USA
<i>Aspergillus</i> spp.	115	USA
<i>A. chevalieri</i>	115	USA
<i>A. flavus</i>	115	USA
<i>A. fumigatus</i>	115	USA
<i>A. glaucus</i>	257	Canada
<i>A. niger</i>	257	Canada
<i>A. phoenicis</i>	115	USA
<i>A. oryzae</i>	115	USA
<i>Aureobasidium</i> spp.	31, 257	Canada
<i>A. pullulans</i>	115	USA
<i>Botrytis</i> sp.	257	Canada
<i>Caloscypha fulgens</i>	298	Canada
<i>Cephalosporium</i> sp.	31	Canada
<i>Chaetomium</i> sp.	257	Canada
<i>C. gangligerum</i>	115	Canada
<i>Epicoccium purpurascens</i>	115	USA
<i>Fusarium</i> sp.	257	Canada
<i>F. poae</i>	115	USA
<i>F. oxysporum</i>	137, 232	USA
<i>F. solani</i>	210, 137	USA
<i>Gliocladium</i> sp.	31	Canada
<i>Hormodendron</i> sp.	115, 257	USA, Canada
<i>Mucor</i> sp.	210, 257, 137	USA, Canada
<i>M. racemosus</i>	115	USA
<i>Papulaspora</i> sp.	115	USA
<i>Penicillium</i> sp.	257, 115	USA, Canada
<i>P. chrysogenum</i>	210, 137	USA
<i>P. italicum</i>	210, 137	USA
<i>Pestalotiopsis funerea</i>	129	UK
<i>Phoma</i> sp.	115	USA

Host and organism/ Hôte et organisme	Ref. No./ Réf.	Country/ Pays	Host and organism/ Hôte et organisme	Ref. No./ Réf.	Country/ Pays
<i>Phomopsis</i> sp.	115	USA	<i>Acrospira mirabilis</i>	316	Czechoslovakia
<i>Rhizopus</i> sp.	210, 137	USA	<i>Acrostalagmus</i>	230,	Czechoslovakia,
<i>R. arrhizus</i>	115	USA	<i>cinnabarinus</i>	313	USSR
<i>R. stolonifer</i>	115	USA	<i>Acrothecium tenebrosus</i>	313, 316	Czechoslovakia
<i>Schizopyllum commune</i>	241, 278	USA	<i>Alternaria humicolor</i>	313, 316	Czechoslovakia
<i>Sclerotium</i> sp.	257	Canada	<i>A. tenuis</i>	230,	Czechoslovakia,
<i>Sepedonicum</i> sp.	115	USA		277, 313	USSR
<i>Spicaria</i> sp.	257	Canada	<i>A. tenuissima</i>	313, 316	Czechoslovakia
<i>Syncephalastrum</i> sp.	115	USA	<i>Arthrobotrys</i>	313	Czechoslovakia
<i>Trichoderma</i> sp.	31, 257	Canada	<i>arthrobotryoides</i>		
<i>T. viride</i>	210, 115,	USA	<i>A. superba</i>	313	Czechoslovakia
	137		<i>A. superba</i> var. <i>oligospora</i>	313	Czechoslovakia
<i>Trichothecium</i> sp.	31	Canada	<i>Aspergillus niger</i>	313	Czechoslovakia
<i>T. roseum</i>	115	USA	<i>Botrytis cinerea</i>	230,	Czechoslovakia,
				277, 313	USSR
<i>Verticillium</i> sp.	115, 257,	UK, USA,	<i>Cephalosporium</i>	313, 316	Czechoslovakia
	129	Canada	<i>acremonium</i>		
<i>Pterocarpus indicus</i> Willd.			<i>C. subverticillatum</i>	230,	Czechoslovakia,
<i>Chaetomium</i> sp.	2	Philippines		313	USSR
<i>Cladosporium</i>	2	Philippines	<i>Ceratocystis fagacearum</i>	15	USA
<i>cladosporioides</i>			<i>Chaetomium offine</i>	230	USSR
<i>Colletotrichum</i>	170	Philippines	<i>Ciboria batschiana</i>	74, 75	France*
<i>glotosporioides</i>			<i>Cladosporium</i>	313	Czechoslovakia
<i>Fusarium moniliforme</i>	2	Philippines	<i>elegantulum</i>		
<i>F. semitectum</i>	2	Philippines	<i>C. hordei</i>	313	Czechoslovakia
<i>F. solani</i>	2	Philippines	<i>C. subverticillatum</i>	230	USSR
<i>Macrophomina phaseolina</i>	2	Philippines	<i>Coniomela taurica</i>	230	USSR
<i>Nigrospora</i> sp.	2	Philippines	<i>Coniosporium aterrimum</i>	316	Czechoslovakia
<i>Pestalotia</i> sp.	2	Philippines	<i>Coniothyrium quercinum</i>	316,	Czechoslovakia
<i>Phoma</i> sp.	2	Philippines		317, 319	
<i>Phomopsis</i> spp.	2	Philippines	<i>Cylindrocarpum</i>	316, 319	Czechoslovakia
<i>Verticillium</i> sp.	170	Philippines	<i>radicicola</i>		
			<i>Cytospora intermedia</i>	277	USSR
<i>Pterospermum acerifolium</i> Willd.			<i>Diaporthe</i> spp.	319	Czechoslovakia
<i>Fusarium moniliforme</i>	170	India	<i>D. insularis</i>	316	Czechoslovakia
<i>F. oxysporum</i>	170	India	<i>Epochnium monilioides</i>	316	Czechoslovakia
<i>F. solani</i>	170	India	<i>Fusarium</i> sp.	230,	USSR,
<i>Pestalotia</i> sp.	170	India		319	Czechoslovakia
<i>Phoma</i> sp.	170	India	<i>F. avenaceum</i>	277	USSR
			<i>F. bulbigenum</i>	313, 316	Czechoslovakia
<i>Punica granatum</i> L.			<i>F. heterosporum</i>	316	Czechoslovakia
<i>Coniella granati</i>	21	USA	<i>F. lateritum</i>	313, 316	Czechoslovakia
			<i>F. oxysporum</i>	317	Czechoslovakia
<i>Pyrus</i> spp.			<i>F. merismoides</i>	230	USSR
Pear bark measles virus	65	USA§	<i>F. solani</i>	316	Czechoslovakia
Tobacco mosaic virus	111		<i>Fusella olivacea</i>	316	Czechoslovakia
<i>Truncatella laurocerasi</i>	239	Romania	<i>Gliocladium</i>	313, 316	Czechoslovakia
			<i>penicilloides</i>		
<i>Quercus</i> spp.			<i>G. verticilloides</i>	316	Czechoslovakia
<i>Absidia</i> sp.	316	Czechoslovakia	<i>Gnomonia quercina</i>	277,	Czechoslovakia,
<i>Acremonia atra</i>	230,	Czechoslovakia,		316	USSR
	313	USSR	<i>Gonatobotrys flava</i>	230	USSR
			<i>Helicosporium pulvinaum</i>	316	Czechoslovakia
			<i>Macrophoma nitens</i>	313	Czechoslovakia
			<i>Monilia sitophila</i>	316	Czechoslovakia
			<i>Mucor</i> sp.	316	Czechoslovakia
			<i>M. globosus</i>	313	Czechoslovakia
			<i>Nigrospora oryzae</i>	277	USSR
			<i>Oedocephalum</i>	230	USSR
			<i>glomerulosum</i>		
			<i>Oidiodendron griseum</i>	316	Czechoslovakia
			<i>Oospora glauca</i>	313, 316	Czechoslovakia
			<i>Ophiostoma</i> sp.	277, 313,	Czechoslovakia
				316, 319	
			<i>O. valachinum</i>	317	Czechoslovakia

Host and organism/ Hôte et organisme	Ref. No./ Réf.	Country/ Pays
<i>Paecilomyces varioti</i>	316	Czechoslovakia
<i>Papulaspora</i> sp.	313	Czechoslovakia
<i>P. sepedomoides</i>	316	Czechoslovakia
<i>Passalora</i> sp.	316	Czechoslovakia
<i>Penicillium</i> spp.	230	USSR
<i>P. divergens</i>	313	Czechoslovakia
<i>P. expansum</i>	313	Czechoslovakia
<i>P. funiculosum</i>	313, 277	Czechoslovakia
<i>P. luteoviride</i>	313	Czechoslovakia
<i>Pestalotia castagnei</i>	277	USSR
<i>P. glandicola</i>	313	Czechoslovakia
<i>P. quercina</i>	316	Czechoslovakia
<i>P. truncata</i>	316	Czechoslovakia
<i>Pestalotiopsis</i> spp.	95	Europe
<i>Phomopsis quercella</i>	277,	USSR,
	319	Czechoslovakia
<i>Piptocephalis freseniana</i>	313	Czechoslovakia
<i>Pullularia pullulans</i>	313	Czechoslovakia
<i>Rhizopus</i> sp.	316	Czechoslovakia
<i>R. nigricans</i>	230,	USSR,
	313	Czechoslovakia
<i>Schizophyllum alneum</i>	277	USSR
<i>S. commune</i>	316	Czechoslovakia
<i>Sclerotinia</i>	230, 277,	Czechoslovakia,
<i>pseudotuberosa</i>	313, 316	USSR
<i>S. libertiana</i>	277	USSR
<i>S. sclerotiorum</i>	316	Czechoslovakia
<i>Scopulariopsis brevicaulis</i>	313	Czechoslovakia
<i>Sepedonium</i>	313	Czechoslovakia
<i>chrysospermum</i>		
<i>Septocylindrium virescens</i>	316	Czechoslovakia
<i>Sporotrichum roseum</i>	313	Czechoslovakia
<i>Stemphylium ilicis</i>	316	Czechoslovakia
<i>S. piriforme</i>	316	Czechoslovakia
<i>Sterum hirsutum</i>	316	Czechoslovakia
<i>Stysanus microsporus</i>	313	Czechoslovakia
<i>S. stemonitis</i>	230,	Czechoslovakia,
	313	USSR
<i>Torula convulata</i>	316	Czechoslovakia
<i>Trichoderma lignorum</i>	230,	Czechoslovakia,
	313	USSR
<i>Trichosporium cerealis</i>	230	USSR
<i>T. olivatum</i>	316	Czechoslovakia
<i>Trichothecium roseum</i>	230,	USSR,
	277, 313	Czechoslovakia
<i>Valsa intermedia</i>	316	Czechoslovakia
<i>Verticillium</i> sp.	319	Czechoslovakia
<i>V. compactinisculum</i>	316	Czechoslovakia
<i>V. candelabrum</i>	230	USSR
<i>V. epimyces</i>	230,	USSR,
	316	Czechoslovakia
<i>Vuilleminia comedens</i>	277	USSR
General control	149	
<i>Quercus alba</i> L.		
<i>Epicoccum purpurascens</i>	324	USA
<i>Fusarium solani</i>	324	USA
<i>Quercus falcata</i> Michx.		
<i>Epicoccum purpurascens</i>	324	USA

Host and organism/ Hôte et organisme	Ref. No./ Réf.	Country/ Pays
<i>Fusarium solani</i>	324	USA
<i>Quercus nigra</i> L.		
<i>Epicoccum purpurascens</i>	324	USA
<i>Fusarium solani</i>	324	USA
<i>Quercus pedunculata</i> Ehrh.		
<i>Acrostalagmus</i>	154	USSR
<i>cinnabarinus</i>		
<i>Alternaria tenuis</i>	154	USSR
<i>Aspergillus niger</i>	154	USSR
<i>Botrytis cinerea</i>	154	USSR
<i>Cephalothecium roseum</i>	154	USSR
<i>Chaetomium globosum</i>	154	USSR
<i>Echinobotryum atrum</i>	154	USSR
<i>Fusarium oxysporum</i>	154	USSR
<i>Mucor globosus</i>	154	USSR
<i>Penicillium expansum</i>	154	USSR
<i>P. granulatum</i>	154	USSR
<i>Pestalotia hertigii</i>	154	USSR
<i>Rhizopus betaeorus</i>	154	USSR
<i>Stysanus stemonites</i>	154	USSR
<i>Trichoderma koningii</i>	154	USSR
<i>Quercus petraea</i> (Matt.) Lieb.		
<i>Ciboria batschiana</i>	75	France*
<i>Quercus phellos</i> L.		
<i>Epicoccum purpurascens</i>	324	USA
<i>Fusarium solani</i>	324	USA
<i>Quercus robur</i> L.		
<i>Ciboria batschiana</i>	75	France*
<i>Quercus rubra</i> L.		
<i>Ciboria batschiana</i>	76	France*
<i>Discalia umbrinella</i>	76	France
<i>Robinia pseudoacacia</i> L.		
<i>Alternaria alternata</i>	122	Hungary*
<i>Fusarium equiseti</i>	122	Hungary*
<i>F. oxysporum</i>	122	Hungary*
<i>F. sporotrichioides</i>	122	Hungary*
<i>Guignardia robiniae</i>	264	Japan*

Host and organism/ Hôte et organisme	Ref. No./ Réf.	Country/ Pays
<i>Samanea saman</i> Merr.		
<i>Aspergillus flavus</i>	49, 73, 237	Philippines, Thailand
<i>A. niger</i>	49, 73, 237	Philippines, Thailand
<i>Chaetomium</i> sp.	49	Thailand
<i>Curvularia geniculata</i>	49	Thailand
<i>Monilia</i> sp.	49	Thailand
<i>Penicillium</i> spp.	49, 73, 237	Philippines, Thailand
<i>Phoma</i> sp.	49	Thailand
<i>Syncephalastrum racemosum</i>	49	Thailand
<i>Sambucus</i> spp.		
Tomato ring spot virus	320	USA
<i>Sambucus racemosa</i> L.		
Cherry leaf roll virus	271	East Germany
<i>Serialbizia acle</i> Kosterm.		
<i>Aspergillus flavus</i>	73, 237	Philippines
<i>Chaetomium</i> sp.	73, 237	Philippines
<i>Penicillium</i> sp.	73, 237	Philippines
<i>Sequoia sempervirens</i> (D. Don). Endl.		
<i>Coniothyrium</i> sp.	72	USA
<i>Penicillium</i> sp.	72	USA
<i>Pestalotia</i> sp.	72	USA
<i>Phoma</i> sp.	72	USA
<i>Phomopsis</i> sp.	72	USA
<i>Sesbania grandiflora</i> Pers.		
<i>Aspergillus</i> spp.	237	Philippines
<i>A. flavus</i>	73, 237	Philippines
<i>A. niger</i>	73, 237	Philippines
<i>Colletotrichum capsici</i>	291	India
<i>Sesbania sesban</i> Merr.		
<i>Fusarium semitectum</i>	170	Rwanda*
<i>Phoma</i> sp.	170	Rwanda
<i>Shorea</i> spp.		
<i>Aspergillus niger</i>	181, 286	India*
<i>Shorea assamica</i> Dyer		
<i>Botryodiplodia</i> sp.	131	Malaysia
<i>Cylindrocladium</i> sp.	131	Malaysia
<i>Fusarium</i> sp.	131	Malaysia
<i>Penicillium</i> sp.	131	Malaysia
<i>Schizophyllum commune</i>	131	Malaysia

Host and organism/ Hôte et organisme	Ref. No./ Réf.	Country/ Pays
<i>Shorea acuminata</i> Dyer		
<i>Colletotrichum gloeosporioides</i>	276	Malaysia
<i>Macrophomina</i> sp.	276	Malaysia
<i>Phomopsis</i> sp.	276	Malaysia
<i>Shorea materialis</i> Ridl.		
<i>Colletotrichum gloeosporioides</i>	276	Malaysia
<i>Fusarium oxysporum</i>	276	Malaysia
<i>Phoma</i> sp.	276	Malaysia
<i>Shorea robusta</i> Gaertn. f.		
<i>Alternaria alternata</i>	187	India
<i>Aspergillus candidus</i>	49, 187	India, Thailand
<i>A. flavus</i>	49, 187	India, Thailand
<i>A. fumigatus</i>	49	Thailand
<i>A. funiculosus</i>	187	India
<i>A. koningi</i>	187	India
<i>A. niger</i>	49, 187, 121	India*, Thailand
<i>A. terreus</i>	187	India
<i>A. wentii</i>	187	India
<i>Chaetomium</i> sp.	187	India
<i>Cladosporium cladosporioides</i>	187	India
<i>C. chlorocephalum</i>	187	India
<i>Curvularia lunata</i>	49	Thailand
<i>Drechslera</i> sp.	187	India
<i>Fusarium</i> sp.	49, 187	India
<i>Mucor advertitius</i>	187	India
<i>Penicillium</i> sp.	49	Thailand
<i>P. albicans</i>	187	India
<i>P. canadense</i>	187	India
<i>P. frequentens</i>	187	India
<i>Phoma</i> sp.	49	Thailand
<i>Rhizopus nigricans</i>	187	India
<i>R. oryzae</i>	187	India
<i>Syncephalastrum racemosum</i>	49	Thailand
<i>Thielavia terricola</i>	187	India
Brown, sterile mycelia	187	India
General control	187, 185	India
<i>Shorea roxburghii</i> Don		
<i>Cylindrocladium scoparium</i>	275	Malaysia
<i>Shorea talura</i> Roxb.		
<i>Cryptosporthe</i> sp.	276	Malaysia
<i>Cylindrocladium scoparium</i>	276, 275	Malaysia
<i>Fusarium</i> sp.	276	Malaysia
<i>Macrophomina</i> sp.	276	Malaysia

Host and organism/ Hôte et organisme	Ref. No/ Réf.	Country/ Pays
<i>Sweitenia macrophylla</i> King.		
<i>Aspergillus flavus</i>	73	Philippines
<i>A. niger</i>	73	Philippines
<i>Botryodiplodia theobromae</i>	2	Philippines
<i>Chaetomium</i> sp.	2	Philippines
<i>Cladosporium</i> sp.	2	Philippines
<i>Curvularia lunata</i>	2	Philippines
<i>Fusarium solani</i>	2	Philippines
<i>Macrophomina phaseolina</i>	170	India
<i>Mucor</i> sp.	49	Thailand
<i>Nigrospora</i> sp.	2	Philippines
<i>Penicillium</i> sp.	73	Philippines
<i>Pestalotia</i> sp.	2	Philippines
<i>Phoma</i> sp.	2	Philippines
<i>Rhizopus</i> sp.	73	Philippines
Sterile mycelia	2	Philippines
<i>Tabebuia heptaphylla</i> Vell.		
<i>Macrophomina phaseolina</i>	170	Brazil
<i>Taxodium mucronatum</i> Ten.		
<i>Fusarium semitectum</i>	170	India
<i>F. solani</i>	170	India
<i>Pestalotia</i> sp.	170	India
<i>Phoma</i> sp.	170	India
<i>Tectona grandis</i> L. f.		
<i>Alternaria</i> spp.	266	India
<i>Aspergillus</i> spp.	266	India
<i>Botryodiplodia</i> spp.	266	India
<i>B. theobromae</i>	170	
<i>Cephalosporium</i> sp.	170	India
<i>Cercospora</i> spp.	266	India
<i>Chaetomium</i> spp.	266	India
<i>Curvularia</i> spp.	266	India
<i>Fusarium</i> spp.	266	India
<i>F. culmorum</i>	170	
<i>F. equiseti</i>	170	
<i>F. moniliforme</i>	170	Thailand, India*, Philippines
<i>F. oxysporum</i>	170	India
<i>F. semitectum</i>	170	Thailand, India*, Philippines
<i>F. solani</i>	170	Philippines
<i>Fusicoccum</i> spp.	266	India
<i>Gonatobotryum</i> spp.	266	India
<i>Hansfordia</i> spp.	266	India
<i>Humicola</i> spp.	266	India
<i>Macrophomina</i> sp.	170	

Host and organism/ Hôte et organisme	Ref. No/ Réf.	Country/ Pays
<i>Memnoniella</i> spp.	266	India
<i>Monocillium</i> spp.	266	India
<i>Mucor</i> spp.	266	India
<i>Myrothecium</i> sp.	170	
<i>Oedocephalum</i> spp.	266	India
<i>Paecilomyces</i> spp.	266	India
<i>Penicillium</i> spp.	266	India
<i>Periconia</i> spp.	266	India
<i>Pestalotia</i> spp.	266	India
<i>Phoma</i> sp.	170	India, Philippines
<i>Phomopsis</i> sp.	170	India
<i>Pithomyces</i> spp.	266	India
<i>Sporothrix</i> spp.	266	India
<i>Syncephalastrum</i> spp.	266	India
<i>Torula</i> spp.	266	India
<i>Trichothecium</i> spp.	266	India
<i>Verticillium</i> sp.	170	India
Sterile mycelia	267	India
<i>Terminalia myriocarpa</i> Heurck & Muell.-Arg.		
<i>Pestalotia</i> sp.	170	India
<i>Theobroma cacao</i> L.		
<i>Botryodiplodia theobromae</i>	329	
Cacao swollen shoot virus	227, 228, 229	
<i>Crinipellis perniciososa</i>	18, 127, 167	Africa, Trinidad, Dominican Republic
<i>Glomerella cingulata</i>	201, 329	Romania
<i>Monilia roleri</i>	329	
<i>Phytophthora</i> sp.	322	
<i>P. palmitora</i>	307	Nigeria
<i>Thuja</i> spp.		
<i>Pestalotia</i> sp.	93	Spain*
<i>Thuja orientalis</i> L.		
<i>Camarosporium</i> sp.	195	Italy, France
<i>Coniothyrium</i> sp.	195	Italy, France
<i>Pestalotiopsis funerea</i>	195	Italy, France
<i>Seiridium carinale</i>	193, 262	Italy*, France
<i>Tilia americana</i> L.		
<i>Myrothecium</i> sp.	170	USA
<i>Triplaris cumingiana</i> Fisch. & Mey. ex A. A. Mey.		
<i>Aspergillus flavus</i>	73, 237	Philippines
<i>A. niger</i>	73, 237	Philippines
<i>Botryodiplodia theobromae</i>	73, 237	Philippines
<i>Cladosporium cladosporoides</i>	237	Philippines
<i>Curvularia lunata</i>	73, 237	Philippines

Host and organism/ Hôte et organisme	Ref. No/ Réf.	Country/ Pays
<i>C. pallescens</i>	73	Philippines
<i>Fusarium moniliforme</i>	73, 237	Philippines
<i>F. semitectum</i>	73, 237	Philippines
<i>F. solani</i>	73, 237	Philippines
<i>Macrophomina phaseolina</i>	73, 237	Philippines
<i>Penicillium</i> sp.	73, 237	Philippines
<i>Pestalotia</i> sp.	237	Philippines
<i>Tsuga heterophylla</i> (Raf.) Sarg.		
<i>Caloscypha fulgens</i>	298	Canada
<i>Verticillium</i> spp.	129	England
<i>Tsuga mertensiana</i> (Bong.) Carr.		
<i>Caloscypha fulgens</i>	298	Canada
<i>Ulmus</i> spp.		
Cherry leaf roll virus	29	USA
<i>Ulmus americana</i> L.		
Cherry leaf roll virus	45	USA
<i>Ulmus campestris</i> L.		
<i>Rhizoctonia solani</i>	206	Denmark
<i>Ulmus davidiana</i> Planch.		
<i>Fusarium moniliforme</i>	170	South Korea
<i>F. solani</i>	170	South Korea
<i>Pestalotia</i> sp.	170	South Korea
<i>Phoma</i> sp.	170	South Korea

Host and organism/ Hôte et organisme	Ref. No/ Réf.	Country/ Pays
<i>Ulmus glabra</i> Huds.		
Elm mottle virus	141	UK
<i>Ulmus pumila</i> L.		
<i>Gloeosporium ulmicola</i>	105	Romania*
<i>Vitex parviflora</i> Juss.		
<i>Aspergillus</i> spp.	2	Philippines
<i>Penicillium</i> spp.	2	Philippines
<i>Wallaceodendron celibicum</i> Koord.		
<i>Aspergillus flavus</i>	73	Philippines
<i>Fusarium semitectum</i>	73, 237	Philippines
<i>F. solani</i>	73, 237	Philippines
<i>Penicillium</i> sp.	73	Philippines
<i>Xylia xylocarpa</i> var. <i>kerrii</i> (Roxb.) Taub.		
<i>Aspergillus flavus</i>	49	Thailand
<i>A. niger</i>	49	Thailand
<i>A. versicolor</i>	49	Thailand
<i>Penicillium</i> spp.	49	Thailand

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<i>Eurotium</i> sp.	17
<i>Fusariella indica</i> Roy ex B. Rai	9
<i>Fusarium</i> spp.	2, 3, 4, 5, 9, 10, 11, 14, 16, 17, 18, 19, 21, 22, 23, 24, 25, 27, 28
<i>F. arthrosporioides</i> Shreb.	16, 21
<i>F. avenaceum</i> (Fries) Sacc.	1, 13, 15, 21, 25
<i>F. bostrycoides</i> Wollenweber & Reinking	7
<i>F. bulbigenum</i> Cooke & Masse	25
<i>F. bulbigenum</i> Cooke & Masse var. <i>blasticola</i> (Rostrup.) Wollenweber	7, 20, 23
<i>F. coeruleum</i> (Lib.) Sacc.	21
<i>F. culmorum</i> (W.C. Sm.) Sacc.	1, 16, 21, 28
<i>F. equiseti</i> (Corda) Sacc.	2, 3, 4, 5, 8, 9, 10, 12, 15, 17, 18, 19, 20, 24, 26, 28
<i>F. heterosporum</i> Nees	16, 21, 25
<i>F. lateritium</i> Nees	4, 16, 21, 25
<i>F. merismoidea</i> Corda	25
<i>F. merismoidea</i> Corda var. <i>acetilereum</i>	17, 19, 20
<i>F. moniliforme</i> Sheld. 1, 2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 28, 29	
<i>F. moniliforme</i> Sheld. var. <i>minus</i> Wollenweber	7
<i>F. moniliforme</i> Sheld. var. <i>subglutinans</i> Wollenw. & Reinke.	1, 18, 19, 20, 22
<i>F. nivale</i> (Fries) Cesati	20
<i>F. oxysporum</i> Schlecht.	4, 6, 9, 10, 13, 14, 16, 17, 18, 19, 20, 21, 22, 24, 25, 26, 27, 28
<i>F. oxysporum</i> Schlecht. var. <i>aurantiacum</i> (Link) Wollenw.	7, 20, 23
<i>F. oxysporum</i> Schlecht. ex Fr. f. sp. <i>clafis</i>	9
<i>F. oxysporum</i> Schlecht. ex Fr. f. sp. <i>koae</i> Gardner	1
<i>F. oxysporum</i> Schlecht. ex Fr. f. sp. <i>perniciosum</i>	3
<i>F. poae</i> (Peck) Wr.	10, 24
<i>F. redolens</i> Wollenw.	16, 21
<i>F. roseum</i> (Schw.) Petch.	18, 19, 22, 23
<i>F. sarcochrum</i> (Desm.) Sacc.	16, 21
<i>F. semitectum</i> Berk. & Rav. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 27, 28, 29	
<i>F. solani</i> (Mart.) Sacc.	2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 28, 29
<i>F. sporotrichioides</i> Sherb.	7, 15, 16, 20, 21, 23, 26
<i>F. tricinctum</i> (Corda) Sacc.	19, 22
<i>Fusella olivacea</i>	25
<i>Fusicoccum</i> spp.	10, 17, 19, 28
<i>Fusidium</i> sp.	2
<i>Geniculodendron pyriforme</i> Salt	15, 17, 20, 21
<i>Geotrichum</i> spp.	2, 11, 18, 22
<i>Gilmaniella</i> sp.	6, 22
<i>Gliocephalotrichum</i> sp.	10

<i>Gliocladium</i> spp.	18, 22, 24
<i>G. penicilloides</i> Corda	10, 25
<i>G. roseum</i> (Link) Bain.	16, 21, 23
<i>G. verticilloides</i>	25
<i>Gloeosporium</i> spp.	2, 14, 17, 19, 23
<i>G. acericola</i> Allesch.	1
<i>G. ulmicola</i> Miles	29
<i>Glomerella cingulata</i> (Ston.) Spauld. & Schrenk	8, 14, 24, 28
<i>Gnomonia circumscissa</i> McAlp.	24
<i>G. leptostyla</i> (Fr.) & deNot.	12
<i>G. quercina</i>	25
<i>Gonatobotrys</i> spp.	21, 22
<i>G. flava</i>	25
<i>Gonatobotryum</i> spp.	22, 28
<i>Graphium</i> sp.	17
<i>Guignardia robiniae</i> Ito & Kobayashi	26
<i>Hansfordia</i> spp.	22, 28
<i>Haplophragmiopsis ponderosum</i> (Syd. & Butl.) Thirum	1
<i>Haplosporella drybalanopsis</i> Srivastava	9
<i>Helicomycetes candidus</i>	21
<i>Helicosporium pulvinatum</i>	25
<i>Helicostylum elegans</i>	21
<i>Helminthosporium</i> spp.	2, 4, 5, 7, 9, 11, 17, 18, 20, 22, 23
<i>H. tatarum</i>	10
<i>H. rostratum</i> Drechsl.	16, 21
<i>H. sativum</i> Pam. Kiny & Bakke	16, 21
<i>H. spiciferum</i> (Bainier) J. Nicot.	23
<i>Helotium strobilinum</i>	13
<i>H. virgultorum</i>	15, 21
<i>Hemileia vastatrix</i> Berk. & Br.	8
<i>Hendersonia strobilina</i>	21
<i>Heterobasidium annosum</i> (Fr.) Bref.	1
<i>Hormiscium antiquum</i>	21
<i>H. stilbosporum</i> (Corda) Sacc.	1, 13, 15, 21
<i>Hormodendron</i> sp.	2, 5, 11, 24
<i>Humicola</i> spp.	16, 22, 28
<i>H. grisea</i> Traaen	9
<i>Hyalodendron</i> spp.	22
<i>Hydnum auricalpium</i>	21
<i>Hypoderma conigenum</i>	13, 15, 21
<i>Iodophanus carneus</i> (Per. ex. Fr.) Korf.	8
<i>Isaria</i> spp.	17, 22
<i>Koleroga noxia</i> Donk.	8
<i>Lacellina graminicola</i> Pers.	19
<i>Lasiodiplodia theobromae</i>	3
<i>Leuconostoc mesenteroides</i>	15
<i>Lirula macrospora</i> (Hartig) Darker	1
<i>Lophodermium pinastri</i> (Schrader ex. Fr.) Chevalier	17
<i>Macrophoma</i> sp.	10
<i>M. corylina</i> (Thum.) Berl. & Vogl.	8
<i>M. fraxini</i> Delacr.	11
<i>M. nitens</i>	25
<i>M. phaseoli</i> (Maubl.) Ashby	
<i>M. sapinea</i>	19, 20
<i>Macrophomina</i> spp.	3, 7, 8, 27, 28
<i>M. phaseolina</i> (Tassi) Goid	3, 4, 6, 7, 10, 13, 14, 17, 18, 25, 28, 29
<i>Marasmiellus</i> sp.	8
<i>M. cocophilus</i>	8
<i>M. semiustus</i>	8
<i>Marrasmiium reenbans</i>	15
<i>Marssonina brunnea</i>	24

<i>Melanconium apiocarpon</i>	16, 21
<i>M. bicolor</i>	16, 21
<i>Melanospora</i> sp.	22
<i>M. zamiae</i>	1
<i>Memnoniella</i> sp.	28
<i>M. echinata</i> (Riv.) Galloway	6, 7, 9, 10, 11, 18, 20, 23
<i>Metarrhizium</i> sp.	22
<i>Micrococcus luteus</i>	15
<i>M. roseus</i>	15
<i>Microcyclus ulei</i> (P. Henn.) Von Arx	12
<i>Microglossum shiraiianum</i> P. Henn.	14
<i>Monilia</i> sp.	3, 6, 7, 8, 22, 27
<i>M. roveri</i> Cif.	28
<i>M. siphila</i>	
<i>M. sitophyla</i> (Mont.) Sacc.	1, 13, 15, 21, 25
<i>Monochaetia</i> sp.	16
<i>Monocillium</i> spp.	10, 11, 22, 28
<i>Monotropa</i> sp.	22
<i>Mortierella isabellina</i> (Oudem.) Zycha	23
<i>Mucor</i> spp.	2, 5, 6, 7, 9, 11, 12, 15, 16, 17, 18, 19, 21, 23, 24, 25, 28
<i>M. adventitius</i> Oudem.	27
<i>M. albo-ater</i> Naumov	1, 13, 15, 21
<i>M. bicolor</i>	
<i>M. globosum</i>	5, 23
<i>M. globosus</i> Fischer	7, 20, 25, 26
<i>M. hiemalis</i> Wehmer	7, 10, 16, 17, 19, 20, 23
<i>M. mucedo</i>	1, 13, 15, 19, 21
<i>M. plumbeus</i> Bonorden	1, 13, 15, 16, 21
<i>M. racemosus</i> Frasenius	1, 13, 15, 16, 21, 24
<i>M. ramanianus</i>	16, 17, 21
<i>Mycogone</i> sp.	15
<i>Mycothyra</i> sp.	18
<i>Myrothecium</i> spp.	2, 28
<i>M. roridum</i> Tode ex Fries	4, 10, 11, 22
<i>Nematospira coryli</i>	8, 23
<i>Nigrospora</i> spp.	8, 22, 23, 25, 28
<i>N. oryzae</i> (Berk. & Br.) Petch.	25
<i>N. spherica</i> (Sacc.) Mason	9
<i>Nodulisporium</i> sp.	22
<i>N. hinnuleum</i>	23
<i>Oedocephalum</i> sp.	18, 23, 28
<i>O. glomerulosum</i> (Bull. ex Fries) Sacc.	7, 20, 21, 25
<i>O. lineatum</i> Bakshi	7, 20
<i>Oidiodendron griseum</i> Robak	25
<i>Oidium</i> sp.	22
<i>Olpitrichum</i> sp.	22
<i>Ombrophila strobilina</i>	15
<i>Oospora glauca</i>	25
<i>O. verticilloides</i>	16, 21
<i>Ophiostoma</i> sp.	16, 21, 25
<i>O. valachincum</i>	25
<i>Paecilomyces</i> spp.	2, 10, 11, 16, 17, 18, 28
<i>P. varioti</i> Bainier	16, 21, 26
<i>Papulaspora</i> sp.	4, 16, 22, 24, 26
<i>P. sepedomoides</i>	26
<i>Passalora</i> sp.	26
<i>Penicillium</i> spp.	1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 28, 29
<i>P. albicans</i> Bainier	7, 10, 11, 23, 27
<i>P. arenarium</i>	16, 21
<i>P. aurantiogriseum</i>	16, 20

<i>P. brefeldianum</i> Doge	10
<i>P. brevicompactum</i>	20, 23
<i>P. canadense</i> G. Smith	6, 7, 10, 20, 23, 27
<i>P. canadicum</i>	21
<i>P. candidum</i> Link	15
<i>P. chrysogenum</i> Thom	10, 16, 20, 21, 24
<i>P. citrinum</i> Sopp.	3, 9, 10
<i>P. claviforme</i> Bainier	20
<i>P. clavariaeformis</i>	9
<i>P. crustaceum</i>	16, 21
<i>P. cyclopium</i> Westl.	9
<i>P. decumbens</i> Thom.	10, 20
<i>P. divergens</i>	16, 21, 26
<i>P. expansum</i> Link ex Fries	1, 5, 10, 13, 15, 20, 21, 23, 26
<i>P. frequentens</i> Westling	10, 27
<i>P. funiculosum</i> Thom.	26
<i>P. fuscum</i> (Sopp.) Raper & Thom.	20
<i>P. glabrum</i> (Wehmer) Westling	20
<i>P. glaucum</i> Link	21
<i>P. granulatum</i> Bainier	5, 7, 13, 26
<i>P. italicum</i> Wehmer	9, 24
<i>P. lapidosum</i> Raper & Fennell	17
<i>P. luteoviride</i>	26
<i>P. notatum</i> Westling	17, 20, 23
<i>P. oxalicum</i> Currie & Thom.	20
<i>P. restrictum</i> Gilman & Abbott	7
<i>P. roqueforti</i> Thom.	16, 21
<i>P. rubrum</i> Stoll	10, 20
<i>P. thomii</i> Maire	16, 20
<i>P. variabile</i> Sopp.	10, 16
<i>P. viridicatum</i> Westling	20
<i>P. wortmanni</i> Kloecker	7, 10
<i>Periconia</i> sp.	10, 20, 28
<i>Perisporium vulgare</i> Corda	23
<i>Pestalotia</i> spp.	2, 3, 4, 5, 6, 7, 8, 10, 12, 14, 17, 18, 19, 20, 22, 23, 24, 25, 27, 28, 29
<i>P. castagnei</i>	26
<i>P. diospyri</i>	9
<i>P. glandicola</i>	16, 21, 26
<i>P. hartigii</i>	26
<i>P. mangifera</i>	10
<i>P. parrotiae</i>	15
<i>P. quercina</i>	16, 21, 26
<i>P. truncata</i>	26
<i>Pestalotiopsis</i> spp.	4, 6, 7, 11, 26
<i>P. foedans</i>	19
<i>P. funerea</i>	7, 8, 9, 10, 11, 14, 17, 24, 28
<i>P. guelpini</i>	9, 18
<i>Peyronellaea</i>	23
<i>Phialophora</i> sp.	16
<i>Phoma</i> spp.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 20, 23, 24, 25, 27, 28, 29
<i>P. araucariae</i>	4, 24
<i>P. glomerata</i> (Corda) Wollenweber & Hochapfel	7, 20, 23
<i>P. hibernica</i> Grimes, O'Connor & Cummins	7, 20, 23
<i>P. lineolata</i>	13
<i>P. strobiligena</i>	1
<i>Phomopsis</i> spp.	2, 4, 5, 6, 8, 10, 12, 13, 14, 18, 22, 23, 25, 27, 28
<i>P. casuarinae</i>	6
<i>P. endogena</i>	6
<i>P. hevea</i>	12
<i>P. oculata</i>	
<i>P. guercella</i>	26

<i>P. viterbensis</i>	6
<i>Phragmotrichum chailetii</i>	21
<i>Phyllosticta</i> sp.	1
<i>P. osteospora</i> var. <i>samaricola</i>	11
<i>P. platanoides</i> f. sp. <i>negundinis</i>	1
<i>Physalospora obtusa</i>	2, 12
<i>Phytophthora</i> spp.	22, 28
<i>P. botryosa</i>	12
<i>P. cactorum</i>	11
<i>P. cinnamomi</i> Rands	15
<i>P. citrophthora</i>	7
<i>P. nicotianae</i> var. <i>parasitica</i>	7
<i>P. palmivora</i>	28
<i>Piptocephalis fraseriana</i>	26
<i>Pithomyces</i> sp.	28
<i>P. maydis</i>	10
<i>Pleiochaeta</i> sp.	4
<i>Pleospora</i> sp.	12
<i>Pleospora infectora</i>	10
<i>Propolis faginea</i>	13
<i>P. rhodoleuca</i>	21
<i>Pucciniastrum arcolatum</i> (Fr.) Oth.	15
<i>Pullularia</i> spp.	16, 21
<i>P. pullulans</i> (de Bary) Berkhout	1, 13, 15, 26
<i>Pyrenochaeta</i> spp.	20
<i>Pyronema amphaloëtes</i> (Bull. ex St. Aman) Fuckel	22
<i>Pythiopsis intermedia</i> Coker & Harvey	9
<i>Pythium</i> sp.	4, 10
<i>P. aphanidermatum</i> (Edison) Fitzpatrick	20
<i>Rhadinaphelenchus cocophilus</i>	8
<i>Rhinotrichum repens</i>	22
<i>Rhigoctonia</i> sp.	7, 9, 18
<i>R. solani</i> Kuehn	1, 4, 11, 13, 15, 16, 19
<i>Rhizopus</i> spp.	1, 2, 3, 4, 5, 6, 10, 11, 12, 14, 15, 16, 17, 18, 19, 20, 22, 23, 25, 26, 28
<i>R. arrhizus</i> Fisher	7, 10, 16, 19, 20, 22, 23, 25
<i>R. betavorus</i>	5, 26
<i>R. cohnii</i> Berlese & de Toni	20
<i>R. nigricans</i> Ehrenberg	1, 7, 13, 15, 16, 19, 20, 22, 26, 27
<i>R. oryzae</i> Went & Gerlings	3, 6, 7, 9, 10, 11, 20, 23, 27
<i>R. stolonifer</i>	25
<i>Rizidoporus zonalis</i> (Berk.) Imazeki	8
<i>Romularia</i> sp.	10
Root wilt pathogen	8
<i>Schizophyllum alneum</i>	26
<i>S. commune</i> Fr. ex. Fr.	9, 25, 26, 27
<i>Sclerotinia laxa</i> Aderh. & Ruhl.	8
<i>S. libertina</i>	26
<i>S. pseudotuberosa</i>	26
<i>S. sclerotiorum</i>	26
<i>S. shiraiana</i> P. Henn.	14
<i>Sclerotium</i> spp.	1, 4, 25
<i>Scopulariopsis brevicaulis</i> Bainier	22, 26
<i>Seiridium cardinale</i>	7, 8, 9, 28
<i>Sepedonichium</i> sp.	25
<i>S. chrysopermium</i> (Bull.) Fries	26
<i>Septocylindrium virens</i>	26
<i>Septoria</i> spp.	2, 14
<i>Sirococcus strobilimus</i> Preuss	15, 16
<i>Sordaria fimicola</i>	2, 12, 15, 20, 22, 23
<i>Sphaeronema</i> sp.	22
<i>Sphaeropsis</i> spp.	17, 18, 19, 22, 23

<i>Spicaria</i> sp.	25
<i>S. divaricata</i> (Thom.) Gilman & Abbott	22
<i>S. elegans</i> Corda	1, 13, 15, 22
<i>S. simplicissima</i> Oudem.	3
<i>Spiroplasma citri</i> Saglio	8
<i>Spondylocladiella</i> sp.	17
<i>Spondylocladium</i> sp.	22
<i>Sporothrix</i> spp.	22, 28
<i>Sporotrichum</i> sp.	5
<i>S. roseum</i> Link ex Fries	26
<i>Stachybotrys</i> spp.	11
<i>S. alternans</i> Bonorden	5, 13, 20
<i>S. atra</i> Corda	7, 10, 20, 23
<i>S. chartarum</i>	10
<i>S. lobulata</i> Berkeley	22
<i>S. parvispora</i> Hughes	7
<i>Staphylotrichum</i> spp.	22
<i>Stemphylium</i> spp.	16, 17, 18, 23, 26
<i>S. atrum</i> (Preuss) Lindau	16, 22
<i>S. botryosum</i> (Pers. ex Fr.) Rabenh.	6, 7, 20, 23
<i>S. consortiale</i> (Thueman) Groves & Skolko	2, 5
<i>S. ilicis</i> Tengwall	16, 22
<i>S. paxianum</i>	22
<i>S. piriforme</i> Bon.	16, 22, 26
<i>S. radicinum</i> Meier, Drechsl. & Eddy	18
<i>S. vesicarium</i> (Wallr.) Simmons	9
Sterile fungi	11, 15, 16, 17, 18, 19, 20, 23
<i>Sterum hirsutum</i>	26
<i>Stictis fimbriata</i>	22
<i>Stilbella nanum</i>	7, 20, 23
<i>Stysanus medius</i> Sacc.	20, 22
<i>S. microsporus</i>	26
<i>S. stemonitis</i> (Pers.) Corda	5, 26
<i>Syncephalastrum</i> spp.	25, 28
<i>S. cinereum</i>	22
<i>S. racemosum</i> (Cohn) Schroet.	1, 6, 10, 12, 19, 22, 27
<i>Taphrina alni-incanae</i> (Kuhn) Magn.	3
<i>Tetracoccosporium</i> spp.	22
<i>Thamnidium elegans</i> Link	1, 13, 15, 22
<i>Thamnostylum lucknowense</i>	11
<i>Thecospora padi</i>	15
<i>Thielavia</i> spp.	5
<i>T. terricola</i> (Gilman & Abbott) Emmons	20, 23, 27
<i>Torula</i> spp.	22, 28
<i>T. convoluta</i> Harz.	16, 22, 26
<i>T. herbarum</i> (Pess.) Link ex Fries	22
<i>Trichaeogum</i> spp.	22
<i>Trichoderma</i> spp.	15, 16, 17, 18, 19, 20, 22, 25
<i>T. koningi</i> Oudem.	5, 16, 19, 23, 26
<i>T. lignorum</i> (Tode) Harz.	1, 13, 15, 16, 22, 26
<i>T. viride</i> Preuss	2, 5, 7, 10, 11, 12, 16, 18, 20, 23, 25
<i>Trichosporium cerealis</i>	26
<i>T. olivatum</i>	26
<i>Trichothecium</i> spp.	4, 19, 22, 25, 28
<i>T. roseum</i> Link	5, 7, 10, 16, 18, 19, 20, 21, 22, 25, 26
<i>Tritirachium</i> spp.	22
<i>Truncatella hartigii</i> (Tub.) Stey.	1, 15
<i>T. laurocerasi</i> (West.) Stey.	25
<i>Typhula peronata</i>	15, 22
<i>Ulocladium</i> spp.	2, 20
<i>U. atrum</i> Preuss	16

<i>Umbelopsis</i> spp.	22
<i>Valsa intermedia</i>	26
<i>Verticillium</i> spp.	1, 4, 5, 11, 15, 16, 17, 18, 19, 20, 22, 25, 26, 28, 29
<i>V. albo-atrum</i> Reinke & Berth.	10, 16, 22
<i>V. compactinisculum</i>	26
<i>V. candelabrum</i> Bonorden	26
<i>V. epimyces</i>	26
<i>V. glaucum</i> Bon.	15, 22
<i>Vuilleminia comedens</i>	26
<i>Xylaria</i> spp.	23
Yeast	20
<i>Zygorhynchus vuillemini</i> Namyslowski	22

B. Bacteria/Bactéries

<i>Agrobacterium tumefaciens</i> (E.F. Smith & Town.) Conn.	24
<i>Bacillus</i> sp.	2
<i>B. cereus</i>	15
<i>B. circulans</i>	15
<i>B. licheniformis</i>	15
<i>B. macerans</i>	15
<i>B. mycoides</i>	16
<i>B. subtilis</i>	16, 19
Bacteria	10, 11, 14, 15, 17, 18, 19, 21, 22, 23
<i>Erwinia</i> spp.	12
<i>Pseudomonas</i> sp.	12
<i>P. fluorescens</i>	16
<i>P. herbicola</i>	16
<i>P. syringe</i>	24
<i>Staphylococcus epidermidis</i>	15
<i>Xanthomonas citri</i> (Hasse) Dows	8
<i>X. juglandis</i> (Pierce) Dows	12

C. Viruses/Virus

Apricot gummosis virus	24
Bud failure virus	24
Cacao swollen shoot virus	28
Cherry leaf roll virus	4, 5, 12, 24, 27, 29
Cherry necrotic rusty mottle virus	24
Citrus exotic virus	
Citrus psorosis virus	7
Citrus wood pocket virus	7
Citrus xyloporosis virus	7
Citrus yellow shoot virus	7
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Elm mottle virus	29
<i>Euonymus</i> mosaic virus	11
Necrotic leaf spot virus	24
Pear bark measles virus	25
<i>Prunus</i> dwarf virus	24
<i>Prunus</i> necrotic ring virus	12
<i>Prunus</i> necrotic ring spot virus	24
Raspberry bushy dwarf virus	14
Ring spot virus	24
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Sunblotch virus	15
Tobacco mosaic virus	14, 25
Tomato bushy stunt virus	14
Tomato ring spot virus	27
Virus	12, 14, 24

