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Accurate scientific names of plant pathogenic fungi

Below is a list of the most important plant pathogenic fungi with their accurate scientific names and synonyms. These scientific names include the results of the change to one scientific name for fungi. The major sources of fungal scientific names agree that these are the fungal names to be used for these species.

TAXA	SPECIES NAME	DISEASE
Kingdom Fungi		
Chytridiomycota		
Blastocladales		
Physodermataceae		
Physoderma	Physoderma alfalfae (Pat. & Lagerh.) Karling	crown wart of alfalfa
	Physoderma maydis (Miyabe) Miyabe	brown spot of maize
Chytridiales		
Synchytriaceae		
Synchytrium	Synchytrium endobioticum (Schilb.) Percival	potato wart disease, potato black wart
	Synchytrium dolichi (Cooke) Gaeum.	false rust of winged bean
Spizellomycetales		
Olpidiaceae		
Olpidium	Olpidium brassicae (Woronin) P.A. Dang.	virus vector
Zygomycota		
Mucorales		
Choanephoraceae		
Choanephora	Choanephora cucurbitarum (Berk. & Ravenel) Thaxt.	flower and fruit rot of cucurbits
Gilbertellaceae		
Gilbertella	Gilbertella persicaria (E.D. Eddy) Hesselt.	Gilbertella fruit rot
Mucoraceae		
Mucor	Mucor circinelloides Tiegh.	In soil and storage rot
	Mucor racemosus Fresen.	Fruit storage rot
Rhizopus	Rhizopus stolonifer (Ehrenb. : Fr.) Vuill.	fruit storage rot
Ascomycota		
Saccharomycetes		

Saccharomycetales		
Dipodascaceae		
Geotrichum Syn. Galactomyces	Geotrichum candidum L.	fruit rot, tomato, peach, citrus
Eremotheciaceae		
Eremothecium	Eremothecium gossypii (S.F. Ashby & Nowell) Kurtzman Syns. Nematospora gossypii S.F. Ashby & W. Nowell 1926 ≡ Ashbya gossypii (S.F. Ashby & W. Nowell) Guilliermond 1928 = Spermophthora gossypii S.F. Ashby & W. Nowell 1926	Stigmatomycosis, internal boll rot of cotton
Nematospora	Nematospora coryli Peglion 1901	stigmatomycosis of beans, citrus, mustard, tomato, and various nuts
Taphrinomycetes		
Taphrinales		
Taphrinaceae		
Taphrina	Taphrina caerulescens (Desm. & Mont.) Tul.	leaf curls, flower blights
	Taphrina deformans (Berk.) Tul. Syn. Exoascus deformans (Berk.) Fuckel	Peach leaf curl
	Taphrina populina (Fr. : Fr.) Fr. Syn. Taphrina aurea (Pers.) Fr. 1815	Yellow leaf blister of cottonwood, poplar
Dothideomycetes		
Botryosphaerales		
Botryosphaeriaceae		
Botryosphaeria Syn. Fusicoccum	Botryosphaeria dothidea (Moug. : Fr.) Ces. & De Not.	Canker, stem blight, dieback, fruit rot on

		diverse hosts
	<p><i>Botryosphaeria zeae</i> (G.L. Stout) Arx & E. Müll. 1954</p> <p>≡ <i>Physalospora zeae</i> G.L. Stout 1930</p> <p>= <i>Macrophoma zeae</i> Tehon & E.Y. Daniels 1927</p>	
<p><i>Diplodia</i> Syn. <i>Botryodiplodia</i></p>	<p><i>Diplodia mutila</i> (Fr. : Fr.) Mont. 1834</p> <p>≡ <i>Sphaeria mutila</i> Fr. : Fr. 1823</p> <p>≡ <i>Physalospora mutila</i> (Fr. : Fr.) N. Stevens 1936</p> <p>= <i>Diplodia pittospori</i> Cooke & Harkn. 1884</p> <p>= <i>Botryosphaeria stevensii</i> Shoemaker 1964</p>	Dieback and canker of oak
	<p><i>Diplodia sapinea</i> (Fr.) Fuckel 1870</p> <p>≡ <i>Sphaeria sapinea</i> Fr. : Fr. 1823</p> <p>≡ <i>Macrophoma sapinea</i> (Fr. : Fr.) Petr. 1962 [1961]</p> <p>≡ <i>Sphaeropsis sapinea</i> (Fr. : Fr.) Dyko & B. Sutton 1980</p> <p>= <i>Sphaeria pinea</i> Fr. : Fr. 1942</p> <p>≡ <i>Diplodia pinea</i> (Desm.) J. Kickx fil. 1867</p> <p>≡ <i>Macrophoma pinea</i> (Desm.) Syd. & Petr. 1926</p>	Sphaeropsis tip blight, diplodia tip blight

Dothiorella	<p>Dothiorella sarmentorum (Fr. : Fr.) A.J.L. Phillips, A. Alves & J. Luque 2005</p> <p>≡ Sphaeria sarmentorum Fr. : Fr. 1818</p> <p>≡ Diplodia sarmentorum (Fr. : Fr.) Fr. 1849</p> <p>= Diplodia pruni Fuckel 1870 [1869]</p> <p>= Botryosphaeria sarmentorum A.J.L. Phillips, A. Alves & J. Luque 2005</p>	Canker diseases of woody plants
Lasiodiplodia	<p>Lasiodiplodia theobromae (Pat.) Griffon & Maubl. Syn. Botryosphaeria rhodina (Berk. & M.A. Curtis) Arx</p>	Cankers, dieback, and several other diseases. Also, a human pathogen.
Macrophomina	<p>Macrophomina phaseolina (Tassi) Goid.</p>	root rot, charcoal rot of various hosts
Melanops	<p>Melanops tulasnei Fuckel 1870</p> <p>≡ Dothidea melanops Tul. & C. Tul. 1856</p> <p>≡ Botryosphaeria melanops (Tul. & C. Tul.) G. Winter 1887</p> <p>= Dothiorella advena Sacc. 1882</p> <p>≡ Fusicoccum advenum (Sacc.) Died. 1915 [1912]</p> <p>= Dothiorella meliae Traverso 1906</p> <p>= Fusicoccum testudo Höhn. 1903</p>	

Neofusicoccum	Neofusicoccum mangiferae (Syd. & P. Syd. Crous, Slippers & A.J.L. Phillips Syn. Natrassia mangiferae (Syd. & P. Syd.) B. Sutton & Dyko	foliage, fruit spots/blights, citrus black spot, black rot of grapevine
Neoscytalidium	Neoscytalidium dimidiatum (Penz.) Crous & Slippers Syn. Scytalidium dimidiatum (Penz.) B. Sutton & Dyko	Gummosis, dieback, branch wilt, decline, leaf spot, tip rot, canker. Also on human nails and skin.
Phyllosticta Syn. Guignardia	Phyllosticta ampelicida (Engelm.) Aa Syn. Guignardia bidwellii (Ellis) Viala & Ravaz	Black spot of grapevine
	Phyllosticta citricarpa (McAlpine) Aa Syn. Guignardia citricarpa Kiely	Citrus black spot
Stenocarpella	Stenocarpella maydis (Berk.) B. Sutton 1980 ≡ Sphaeria maydis Berk. 1847 ≡ Diplodia maydis (Berk.) Sacc. 1884 = Diplodia maydicola Speg. 1910 = Diplodia zeae Lév. 1848 ≡ Macrodiplodia zeae (Lév.) Petr. & Syd. 1923 ≡ Sphaeria zeae Schwein. 1832 . ≡ Hendersonia zeae (Lév.) Hazsl. 1872 ≡ Phaeostagonosporopsis zeae (Lév.) Woron. 1925 = Diplodia zeae-maydis Mekht. 1962	Stalk rot, white ear rot, and seedling blight of maize.
Capnodiales		

Capnodiaceae		
Capnodium	Capnodium salicinum Mont.	Sooty mould
Davidiellaceae		
Cladosporium	Cladosporium allii-cepae (Ranoj.) M.B. Ellis 1976 ≡ Heterosporium allii-cepae Ranoj. 1910	Leaf blotch of onion
	Cladosporium cladosporioides (Fresen.) G.A. De Vries	Leaf spot and blight, secondary pathogen
Mycosphaerellaceae		
Acrodonitum	Acrodontium simplex (G. Magenot) De Hoog	Leaf speckle disease of banana
Beniowskia	• Beniowskia sphaeroidea (Kalchbr. & Cooke) E.W. Mason 1928 ≡ Ceratium sphaeroideum Kalchbr. & Cooke 1880 = Beniowskia graminis Racib. 1900 = Aegerita penniseti Henn. 1904 = Beniowskia penniseti Wakef. 1916 = Sporotrichum peribebuyense Speg. 1886 = Clathrotrichum subcarneum Pat. 1921 = Botrytis uredinicola Peck 1909	Leaf spot, blight of grasses
Cercospora	Cercospora apii Fresen.	Leaf spot on many plant hosts
	Cercospora beticola Sacc.	Leaf spot of Chenopodiaceae

	<p>1876</p> <p>Variant spelling <i>Cercospora betaecola</i> Sacc. 1876 Note: Origin uncertain.</p> <p>≡ <i>Cercosporina beticola</i> (Sacc.) K. Nakata, T. Nakajima & K. Katimoto 1915</p> <p>= <i>Cercospora anthelmintica</i> G.F. Atk. 1892</p> <p>= <i>Cercospora betae</i> Sacc. 1892 Note: This is the first valid publication of this name based on this type. Frank did not make this combination. It should be attributed to Saccardo.</p> <p>≡ <i>Fusarium betae</i> Rabenh. 1859 Note: Invalid. Nomen nud.</p> <p>= <i>Cercospora chenopodiicola</i> Bres. 1900</p> <p>Variant spelling <i>Cercospora</i> <i>flagilliformis</i> Ellis & Halst. 1890</p> <p>= <i>Cercospora longissima</i> Cooke & Ellis 1889</p> <p>= <i>Cercospora spinaciae</i> Oudem. 1900</p>	
	<p><i>Cercospora brassicicola</i> Henn. 1905</p> <p>= <i>Cercospora brassicae-</i> <i>campestris</i> Rangel 1917</p> <p>≡ <i>Cercosporina brassicae-</i></p>	<p>Leaf spot of Brassicaceae</p>

	<p>campestris (Rangel) Sacc. 1931</p>	
	<p>Cercospora kikuchii (T. Matsumoto & Tomoy.) M.W. Gardner 1927 [1926]</p> <p>≡ Cercosporina kikuchii T. Matsumoto & Tomoy. 1925</p> <p>= Mycosphaerella phaseoli Chona & Munjal 1956</p>	
Corynespora	<p>Corynespora cassiicola (Berk. & M.A. Curtis) C.T. Wei 1950</p> <p>≡ Helminthosporium cassiicola Berk. & M.A. Curtis 1868</p> <p>= Corynespora mazei Güssow 1906</p> <p>= Cercospora melonis Cooke 1896</p> <p>≡ Corynespora melonis (Cooke) Sacc. 1913</p> <p>= Helminthosporium papayae Syd. 1923</p> <p>= Helminthosporium vignae L.S. Olive 1945</p> <p>= Cercospora vignicola E. Kawam. 1931</p> <p>≡ Helminthosporium vignicola (E. Kawam.) L.S. Olive 1949</p> <p>≡ Corynespora vignicola (E. Kawam.) Goto 1950</p> <p>= Helminthosporium</p>	

	warpuriae Wakef. 1918	
Dothistroma Syn. Scirrhia	Dothistroma pini Hulbary	Red band needle blight
	Dothistroma septosporum (Dorog.) M. Morelet Syn. Mycosphaerella pini Rostr. 1957 = Scirrhia pini A. Funk & A.K. Parker	Red band needle blight
Mycosphaerella	Mycosphaerella dearnessii M.E. Barr Syn. Scirrhia acicola (Dearn.) Sigg. ≡ Lecanosticta acicola (Thüm.) Syd. ≡ Dothistroma acicola (Thüm.) Schischkina & Tsanova = Lecanosticta pini Syd.	
Mycocentrospora	Mycocentrospora acerina (R. Hartig) Deighton	leaf blight, root rot, various hosts
Passalora	Passalora fusimaculans (G.F. Atk.) U. Braun & Crous Syn. Cercospora fusimaculans G.F. Atk.	Leaf spot of grasses
	Passalora helianthi (Ellis & Everh.) U. Braun & Crous 2003 ≡ Cercospora helianthi Ellis & Everh. 1887 ≡ Mycovellosiella helianthi (Ellis & Everh.) U. Braun 1999	Leaf spot of sunflower

	<p><i>Passalora janseana</i> (Racib.) U. Braun 2000</p> <p>≡ <i>Napicladium janseanum</i> Racib. 1900</p> <p>≡ <i>Cercospora janseana</i> (Racib.) Constant. 1982</p> <p>= <i>Cercospora oryzae</i> I. Miyake 1910</p> <p>= <i>Sphaerulina oryzina</i> Hara 1918</p>	Narrow brown leaf spot of rice
Phaeocryptopus	<i>Phaeocryptopus gaeumannii</i> (T. Rohde) Petr.	Swiss needle cast of douglas fir
Polythrincium	<i>Polythrincium trifolii</i> Kuntze: Fr. Syn. <i>Cymadothea trifolii</i> (Kill.) F.A. Wolf	Sooty blotch of clover
Pseudocercospora	<p><i>Pseudocercospora fijiensis</i> (M. Morelet) Deighton 1976</p> <p>≡ <i>Cercospora fijiensis</i> M. Morelet 1969</p> <p>≡ <i>Paracercospora fijiensis</i> (M. Morelet) Deighton 1979</p> <p>= <i>Mycosphaerella fijiensis</i> M. Morelet 1969</p> <p>= <i>Cercospora fijiensis</i> var. <i>difformis</i> J.L. Mulder & R.H. Stover 1976</p> <p>≡ <i>Paracercospora fijiensis</i> var. <i>difformis</i> (J.L. Mulder & R.H. Stover) Deighton 1979</p> <p>= <i>Mycosphaerella fijiensis</i> var. <i>difformis</i> J.L. Mulder & R.H. Stover 1976</p>	Black sigatoka of banana, black leaf streak
Septocyta	<p><i>Septocyta ruborum</i> (Lib.) Petr.</p> <p>Syn. <i>Ascochyta ruborum</i> Lib.</p>	cane blotch of blackberry

Zymoseptoria	Zymoseptoria passerinii (Sacc.) Quaedvlieg & Crous 2011 ≡Septoria passerinii Sacc. 1884	Speckled leaf blotch of barley
	Zymoseptoria tritici (Desm.) Quaedvlieg & Crous 2011 ≡ Septoria tritici Desm. 1842 = Sphaeria graminicola Fuckel 1865 ≡ Mycosphaerella graminicola (Fuckel) J. Schröt. 1894 ≡ Sphaerella graminicola (Fuckel) Fuckel 1870	Speckles leaf blotch of wheat
Schizothyriaceae		
Schizothyrium	Schizothyrium pomi (Mont.) Arx	Sooty blotch and fly speck
Coryneliales		
Caliciopsis	Caliciopsis pinea Peck Syn. Caliciopsis stenocyboides (Nyl.) Rehm	canker of pine
Dothideales		
Dothideaceae		
Kabatiella Syn. Discosphaerina	Kabatiella caulivora (Kirchn.) Karak Syn. Aureobasidium caulivorum (Kirchn.) W.B. Cooke	clover leaf scorch
	Kabatiella zae Narita & Hirats. Syn. Aureobasidium zae (Narita & Hirats.) Dingley	eyespot of maize
Aureobasidium Syn. Dothidea	Aureobasidium pullulans (de Bary) G. Arnaud	leaf spots and blights
	Aureobasidium microstictum (Bubák) W.B. Cooke	daylily leaf streak
Dothioraceae		
Dothiora	Dothiora taxicola (Peck) M.E. Barr	foliage & shoot blight of Taxus, canker
Kabatina	Kabatina thujae R. Schneid.	Foliage blight of

	& Arx	cedar
Rhizosphaera	Rhizosphaera kalkhoffii Bubák 1914 ≡Sclerophoma pini (Desm.) Höhn. 1909 ≡Sphaeronaema pini Desm. 1848	Needle blight of Pinaceae
	Rhizosphaera pini (Corda) Maubl. 1907 Rhizosphaera abietis L. Mangin & Har. 1907 Coniothyrium pini Corda	Needle blight of Pinaceae
Sydowia Syn. Sclerophoma Hormonema	Sydowia polyspora (Bref. & Tavel) E. Müll. 1953 ≡ Dothidea polyspora Bref. & Tavel ≡Hariotia polyspora (Bref. & Tavel) Höhn. 1918 ≡Pleodothis polyspora (Bref. & Tavel) Clem. 1909 ≡Plowrightia polyspora (Bref. & Tavel) Sacc. 1895 ≡Plowrightiella polyspora (Bref. & Tavel) Trotter 1926 = Sphaeropsis acicola Moug. & Lév. 1848 ≡ Phoma acicola (Moug. & Lév.) Sacc. 1881 = Sphaeronema pythiophilum Corda 1840 ≡ Dothichiza pythiophila (Corda) Petr. ≡ Sclerophoma pithyophila	shoot dieback and canker of conifers

	<p>(Corda) Höhn. 1909</p> <p>= Pullularia fermentans var. melinii E.S. Wynne & Gott 1956</p> <p>Variant spelling Sclerophoma pityophila (Corda) Höhn.</p> <p>= Pullularia fermentans var. melinii E.S. Wynne & Gott 1956</p>	
<p>Thyrostroma Syn. Wilsonomyces</p>	<p>Thyrostroma carpophilum (Lév.) B. Sutton 1997</p> <p>≡ Helminthosporium carpophilum Lév. 1843</p> <p>≡ Stigmina carpophila (Lév.) M.B. Ellis 1959</p> <p>≡ Clasterosporium carpophilum (Lév.) Aderh. 1901</p> <p>≡ Coryneum carpophilum (Lév.) Jauch 1940</p> <p>≡ Sciniatosporium carpophilum (Lév.) Morgan- Jones 1971</p> <p>≡ Sporocadus carpophilus (Lév.) Arx 1981</p> <p>≡ Wilsonomyces carpophilus (Lév.) Adask., J.M. Ogawa & E.E. Butler 1990</p> <p>= Sporidesmium amygdalearum Pass. 1875</p> <p>≡ Clasterosporium amygdalearum (Pass.) Sacc.</p>	<p>Shot hole disease of Rosaceae, peach shot hole</p>

	<p>1882</p> <p>= <i>Coryneum beyerinckii</i> Oudem. 1883</p> <p>Variant spelling <i>Coryneum</i> <i>beijerinckii</i> Oudem. 1883</p> <p>= <i>Stigmina briosiana</i> Farneti 1902</p> <p>≡ <i>Stigmella briosiana</i> (Farneti) E. Bald. & Cif. 1937</p> <p>= <i>Passalora brunaudii</i> Sacc. 1879</p> <p>≡ <i>Napicladium brunaudii</i> (Sacc.) Sacc. 1886</p> <p>= <i>Septosporium cerasorum</i> Thüm. 1884</p> <p>≡ <i>Helminthosporium</i> <i>cerasorum</i> (Thüm.) Berl. & Voglino 1886</p> <p>= <i>Coryneum laurocerasi</i> Prill. & Delacr. 1890</p> <p>= <i>Macrosporium rhabdiferum</i> Berk. 1864</p> <p>≡ <i>Helminthosporium</i> <i>rhabdiferum</i> (Berk.) Berk. 1865</p>	
Lahmiales		
Lahmiaceae		
Lahmia Syn. Parkerella	Lahmia kunzei Koerb. Syn. Parkerella populi Funk	rough bark disease of aspen, poplar
Myrinagiales		
Elsinoaceae		
Elsinoë Syn. Sphaceloma	Elsinoe ampelina Shear Syn. Sphaceloma ampelinum de Bary	Anthracnose, bird's- eye rot of grapes

	Elsinoe australis Bitan. & Jenkins Syn. Sphaceloma australis Bitan. & Jenkins	Sweet orange
	Elsinoe fawcettii Bitan. & Jenkins	Sour orange scab, common scab
Pleosporales		
Cucurbitariaceae		
Rhytidiella	Rhytidiella baranyayi Funk & Zalasky	corky rough bark disease of aspen
Didymellaceae		
Acrocalymma	Acrocalymma medicaginis Alcorn & J.A.G. Irwin 1987 Syn. Massarina walkeri	Acrocalymma root and crown rot of alfalfa
Ascochyta	Ascochyta pisi Lib. 1830 ≡Gloeosporium pisi (Lib.) Oudem. 1876 = Sphaeria pisicola Berk. 1859 ≡ Ascochyta pisicola (Berk.) Sacc. 1884	Ascochyta blight of pea
	Ascochyta syringae Bres. 1894	Leaf spot, blight of Syringa
Didymella	Didymella fabae G.J. Jellis & Punith. 1991 = Ascochyta fabae Speg. 1899 = Ascochyta pisi var. fabae R. Sprague 1947	Leaf spot of bean
	Didymella rabiei (Kovatsch.) Arx 1962 ≡ Mycosphaerella rabiei Kovatsch. 1936 Note: Nom. inval. via no Latin. = Phyllosticta cicerina Prill. & Delacr. 1893 ≡ Ascochyta rabiei (Pass.)	

	<p>Labr. 1931</p> <p>≡ Phoma rabiei (Pass.) Khune ex Gruyter 2002</p> <p>≡ Phyllosticta rabiei (Pass.) Trotter 1918</p> <p>Phoma rabiei (Pass.) Khune 1979</p> <p>Phoma rabiei (Pass.) Khune & J.N. Kapoor 1980</p>	
Pleiochaeta	<p>Pleiochaeta setosa (Kirchn.) S. Hughes 1951</p> <p>≡ Ceratophorum setosum Kirchn. 1892</p>	leaf spot of legumes
Leptosphaeriaceae		
Boeremia	<p>Boeremia exigua var. exigua (Desm.) Aveskamp, Gruyter & Verkley 2010</p> <p>≡ Phoma exigua var. exigua Desm. 1849 Ascochyta phaseolorum Sacc. 1878 And many more synonyms.</p>	
Leptosphaeria	<p>Leptosphaeria weimeri Shoemaker, C.E. Babc. & J.A.G. Irwin 1991</p> <p>= Gloeosporium medicaginis Ellis & Kellerm. 1887</p> <p>= Septoria medicaginis Roberge & Desm. 1847</p> <p>= Depazea meliloti Lasch</p> <p>≡ Stagonospora meliloti (Lasch) Petr. 1919</p> <p>Gloeosporium trifolii Peck</p>	

	= <i>Phoma meliloti</i> Allesch. 1892	
Plenodomus	<i>Plenodomus lingam</i> (Tode) Höhn. Syn. <i>Phoma lingam</i> (Tode : Fr.) Desm. ≡ <i>Phoma brassicae</i> Thüm. ≡ <i>Leptosphaeria maculans</i> (Desm.) Ces. & De Not.	Blackleg of Brassica
Setophoma	<i>Setophoma terrestris</i> (H.N. Hansen) Gruyter, Aveskamp & Verkley 2010 ≡ <i>Phoma terrestris</i> H.N. Hansen 1929 ≡ <i>Pyrenochaeta terrestris</i> (H.N. Hansen) Gorenz, J.C. Walker & Larson 1948	Pink rot of Allium
Phaeosphaeriaceae		
Ophiosphaerella	<i>Ophiosphaerella herpotricha</i> (Fr.) J.C. Walker 1980 ≡ <i>Sphaeria herpotricha</i> Fr. 1823 ≡ <i>Ophiochaeta herpotricha</i> (Fr.) Sacc. 1895 ≡ <i>Phaeosphaeria herpotricha</i> (Fr.) L. Holm 1957 ≡ <i>Rhaphidophora herpotricha</i> (Fr.) Cooke 1889 ≡ <i>Ophiobolus herpotrichus</i> (Fr.) Sacc. 1881	
Parastagonospora	<i>Parastagonospora nodorum</i> (Berk.) Quaedvlieg, Verkley & Crous ≡ <i>Septoria nodorum</i> (Berk.) Berk.	Glume blotch of wheat and other grasses.

	<p>≡ Stagonospora nodorum (Berk.) Castell. & E.G. Germano</p> <p>= Leptosphaeria nodorum E. Müll.</p> <p>≡ Phaeosphaeria nodorum (E. Müll.) Hedjaroude</p>	
Lophiostomataceae		
Herpotrichia	<p>Herpotrichia herpotrichoides (Fuckel) P.F. Cannon 1982</p> <p>≡ Sphaeria herpotrichoides Fuckel 1864</p> <p>= Herpotrichia rhenana Fuckel 1870</p> <p>≡ Pyrenochaetella rhenana (Sacc.) Höhn. 1917</p> <p>≡ Herpotrichiopsis rhenana (Sacc.) Höhn. 1914</p> <p>= Herpotrichia rubi Fuckel 1868</p>	snow blight of conifers
Keissleriella	<p>Diplodia tumefaciens (Shear) Zalasky 1964</p> <p>≡ Macrophoma tumefaciens Shear 1915</p> <p>= Sphaeria emergens P. Karst. 1873</p> <p>≡ Keissleriella emergens (P. Karst.) S.K. Bose 1961</p>	Diplodia gall of aspen, cottonwood
Pleosporaceae		
Alternaria Syn. Lewia	<p>Alternaria alternata (Fr. : Fr.) Keissl. 1912</p> <p>≡ Torula alternata Fr. 1832</p> <p>≡ Alternaria tenuis Nees 1816</p> <p>= Macrosporium erumpens</p>	Leaf spot, rots

	<p>Cooke 1883</p> <p>≡ <i>Alternaria erumpens</i> (Cooke) P. Joly 1964</p> <p>= <i>Macrosporium meliloti</i> Peck 1880</p> <p>= <i>Macrosporium polytrichi</i> Peck 1890</p> <p>= <i>Macrosporium seguierii</i> Allesch. 1894</p>	
	<p><i>Alternaria brassicae</i> (Berk.) Sacc. 1880</p> <p>≡ <i>Macrosporium brassicae</i> Berk. 1836</p> <p>= <i>Cercospora bloxami</i> Berk. & Broome 1882</p> <p>≡ <i>Rhopalidium brassicae</i> (Mont.) Mont. & Fr. 1836</p> <p>= <i>Sporidesmium brassicae</i> Masse 1901</p> <p>= <i>Alternaria brassicae</i> var. <i>macrospora</i> Sacc. 1886</p> <p>= <i>Macrosporium brassicae</i> var. <i>macrosporum</i> A.G. Eliasson 1896</p> <p>= <i>Sporidesmium exitiosum</i> J.G. Kühn 1855</p> <p>≡ <i>Polydesmus exitiosus</i> (J.G. Kühn) J.G. Kühn 1859</p> <p>≡ <i>Alternaria brassicae</i> var. <i>exitiosa</i> (J.G. Kühn) Ferraris 1902</p> <p>= <i>Macrosporium herculeum</i></p>	

	<p>Ellis & G. Martin 1882</p> <p>≡ <i>Alternaria herculea</i> (Ellis & G. Martin) J.A. Elliott 1917</p> <p>= <i>Cercospora lepidii</i> Peck 1884</p> <p>= <i>Cercospora moldavica</i> Savul. & Bontea 1946</p> <p>= <i>Sporidesmium onnii</i> P. Karst. 1891</p>	
	<p><i>Alternaria tomato</i> (Cooke) Jones 1896</p> <p>≡ <i>Macrosporium tomato</i> Cooke 1883</p>	Nailhead spot of tomato
Alternariaster	<p><i>Alternariaster helianthi</i> (Hansf.) E.G. Simmons 2007</p> <p>≡ <i>Helminthosporium helianthi</i> Hansf. 1943</p> <p>≡ <i>Alternaria helianthii</i> (Hansf.) Tubaki & Nishih. 1969</p> <p><i>Helminthosporium helianthi</i> Hansf. 1943 [1942-43]</p>	Leaf spot of sunflower
Bipolaris Syn. Cochliobolus	<p><i>Bipolaris maydis</i> (Y. Nisik. & C. Miyke) Shoemaker Syn. <i>Cochliobolus heterostrophus</i> (Drechsler) Drechsler</p>	leaf blights of cereals, monocots
	<p><i>Bipolaris oryzae</i> (Breda de Haan) Shoemaker Syn. <i>Cochliobolus miyabeanus</i> (S. Ito & Kurib.) Drechsler ex Dastur,</p>	
	<p><i>Bipolaris sacchari</i> (E.J. Butler) Shoemaker</p>	
	<p><i>Bipolaris sorokiniana</i> (Sacc.) Shoemaker Syn. <i>Cochliobolus sativus</i> (E.J. Butler) Shoemaker</p>	
	<p><i>Bipolaris victoriae</i> (E.J.</p>	

	Butler) Shoemaker Syn. Cochliobolus victoriae R.R. Nelson	
Curvularia	Curvularia geniculata (Tracy & Earle) Boedijn 1933 ≡ Helminthosporium geniculatum Tracy & Earle 1896 = Cochliobolus geniculatus R.R. Nelson 1964	
	Curvularia hawaiiensis (Bugnic.) Manamgoda, L. Cai & K.D. Hyde 2012 ≡ Helminthosporium hawaiiense Bugnic. 1955 ≡ Drechslera hawaiiensis (Bugnic.) Subram. & B.L. Jain 1966 = Cochliobolus hawaiiensis Alcorn 1978 ≡ Pseudocochliobolus hawaiiensis (Alcorn) Tsuda & Ueyama 1981 ≡ Bipolaris hawaiiensis (M.B. Ellis) J.Y. Uchida & Aragaki 1979	
	Curvularia lunata (Wakker) Boedijn 1933 ≡ Acrothecium lunatum Wakker 1898 = Helminthosporium caryopsidum Sacc. 1914 ≡ Curvularia caryopsidum (Sacc.) Teng 1964 = Cochliobolus lunatus R.R.	

	<p>Nelson & Haasis 1964</p> <p>≡ Pseudocochliobolus lunatus (R.R. Nelson & Haasis) Tsuda, Ueyama & Nishih. 1978</p> <p>= Helminthosporium sudanense Gonz. Frag. & Cif. 1926</p> <p>≡ Curvularia sudanensis (Gonz. Frag. & Cif.) Castell. 1952</p>	
<p>Exserohilum Syn. Setosphaeria</p>	<p>Exserohilum rostratum (Drechsler) K.J. Leonard & Suggs 1974</p> <p>≡ Helminthosporium rostratum Drechsler 1923</p> <p>≡ Bipolaris rostrata (Drechsler) Shoemaker 1959</p> <p>≡ Drechslera rostrata (Drechsler) M.J. Richardson & E.M. Fraser 1968</p> <p>= Helminthosporium halodes Drechsler 1923</p> <p>≡ Bipolaris halodes (Drechsler) Shoemaker 1959</p> <p>≡ Exserohilum halodes (Drechsler) K.J. Leonard & Suggs 1974</p> <p>≡ Drechslera halodes (Drechsler) Subram. & B.L. Jain 1966</p> <p>≡ Luttrellia rostrata (Drechsler) Gornostai 1978</p>	<p>leaf spots and blights of cereals</p>
<p>Hapalosphaeria</p>	<p>Hapalosphaeria deformans (Syd.) Syd. 1908</p>	<p>stamen blight</p>

	Paepalopsis deformans Syd. 1907	
Leptosphaerulina	<p>Leptosphaerulina trifolii (Rostr.) Petr. 1959</p> <p>≡ Sphaerulina trifolii Rostr. 1899</p> <p>≡ Pleospora trifolii (Rostr.) Petr. 1927</p> <p>≡ Pseudoplea trifolii (Rostr.) Petr. 1921</p> <p>≡ Pseudosphaeria trifolii (Rostr.) Höhn. 1929</p> <p>≡ Saccothecium trifolii (Rostr.) Kirschst. 1938</p> <p>= Pleosphaerulina briosiana Pollacci 1902</p> <p>≡ Leptosphaerulina briosiana (Pollacci) J.H. Graham & Luttr. 1961</p> <p>≡ Pseudoplea briosiana (Pollacci) Höhn. 1918</p> <p>= Pseudoplea medicaginis Miles 1925</p> <p>= Pleosphaerulina setariae Lobik 1928</p> <p>= Pleosphaerulina smilacicola Speg. 1909</p> <p>= Leptosphaerulina vignae Tehon & G.L. Stout</p> <p>.</p>	leaf spot/blight of legumes
Pithomyces	Pithomyces chartarum (Berk. & M.A. Curtis) M.B.	

	<p>Ellis 1960</p> <p>≡ Sporidesmium chartarum Berk. & M.A. Curtis 1874</p> <p>≡ Piricauda chartarum (Berk. & M.A. Curtis) R.T. Moore 1959</p> <p>= Sporidesmium bakeri Syd. & P. Syd. 1914</p> <p>= Leptosphaerulina chartarum Cec. Roux 1986</p>	
Pleospora	<p>Pleospora herbarum (Pers. : Fr.) Rabenh. 1857</p> <p>≡ Sphaeria herbarum Pers. : Fr. 1801</p> <p>= Stemphylium herbarum E.G. Simmons 1986 [1985]</p> <p>= Pleospora herbarum var. citrorum Sacc. 1883</p> <p>= Sporidesmium putrefaciens Fuckel 1870</p> <p>≡ Clasterosporium putrefaciens (Fuckel) Sacc. 1886</p> <p>= Macrosporium cheiranthi var. betae Cooke 1871</p> <p>≡ Alternaria putrefaciens (Fuckel) E.G. Simmons 1995</p> <p>= Macrosporium cheiranthi var. betae Cooke 1871</p>	foliage spots and blights of alfalfa, onion, pear, others
Pyrenophora	<p>Pyrenophora tritici-repentis (Died.) Drechsler 1923</p> <p>≡ Pleospora tritici-repentis Died. 1903</p>	Yellow leaf spot and blight of cereals, turf grass

	<p>≡Pleospora trichostoma f. sp. tritici-repentis Died. 1902</p> <p>≡ Drechslera tritici-repentis (Died.) Shoemaker 1959</p> <p>≡ Helminthosporium gramineum f. sp. tritici-repentis Died. 1902</p> <p>= Helminthosporium tritici-vulgaris Y. Nisik. 1928</p> <p>≡ Drechslera tritici-vulgaris (Y. Nisik.) S. Ito 1930</p>	
Seifertia	Seifertia azaleae Syn. Pycnostysanus azaleae	azalea leaf, bud blight
Stemphylium	<p>Stemphylium botryosum Wallr. 1886</p> <p>= Macrosporium commune Rabenh. 1870</p> <p>= Pleospora tarda E.G. Simmons 1986 [1985]</p>	
Venturiaceae		
Apiosporina	<p>Apiosporina morbosa (Schwein. : Fr.) Arx 1954</p> <p>≡ Plowrightia morbosa (Schwein. : Fr.) Sacc. 1883</p> <p>≡ Dibotryon morbosum (Schwein. : Fr.) Theiss. & Syd. 1915</p>	black knot of cherry
Protoventuria	Protoventuria barriae Carris & A.P. Poole	Reddened leaf spot of cranberry
Venturia Syn. Fusicladium ??Spiloocea, Piggotia, Pollacia	<p>Venturia carpophila E.E. Fisher 1961</p> <p>= Cladosporium americanum H.C. Greene 1949</p> <p>= Fusicladium amygdali</p>	shoot and leaf blight of Rosaceae

	<p>Ducomet 1911</p> <p>= Cladosporium carpophilum Thüm. 1877</p> <p>≡ Fusicladium carpophilum (Thüm.) Oudem. 1900</p> <p>≡ Megacladosporium carpophilum (Thüm.) Vienn.- Bourg. 1949</p> <p>≡ Fusicladosprium carpophilum (Thüm.) Partridge & Morgan-Jones 2003</p> <p>= Fusicladium pruni Ducomet 1907</p>	
	<p>Venturia inaequalis (Cooke) G. Winter 1875</p> <p>≡ Sphaerella inaequalis Cooke 1866</p> <p>≡ Endostigme cinerascens (Aderh.) Jorst. 1945</p> <p>≡ Spilosticta cinerascens (Aderh.) Petr. 1947</p> <p>≡ Didymosphaeria inaequalis (Cooke) Niessl 1881</p> <p>≡ Endostigme inaequalis (Cooke) Syd. 1923</p> <p>≡ Spilosticta inaequalis (Cooke) Petr. 1940</p> <p>≡ Venturia inaequalis var. cinerascens Aderh. 1900</p> <p>= Phaeosphaerella berolinensis Kirschst. 1938</p> <p>= Venturia chlorospora f. mali</p>	apple scab

	<p>Aderh. 1894</p> <p>= Actinonema crataegi Pers. 1822</p> <p>≡ Capillaria crataegi (Pers.) Link 1824</p> <p>≡ Phlyctidium crataegi (Pers.) Wallr. 1833</p> <p>≡ Spilocaea crataegi (Pers.) S. Hughes 1958</p> <p>≡ Asteroma crataegi (Pers.) Rabenh. 1844</p> <p>= Asteroma crataegi var. sorbi Desm. 1846</p> <p>= Cladosporium dendriticum Wallr. 1833</p> <p>≡ Fusicladium dendriticum (Wallr.) Fuckel 1870 [1869]</p> <p>≡ Passalora dendritica (Wallr.) Sacc. 1876</p> <p>= Venturia inaequalis f. sp. mali R. Menon 1956</p> <p>= Asteroma mali Desm. 1841</p> <p>= Fumago mali Pers. 1822</p> <p>= Spilocaea pomi Fr. : Fr. 1819</p> <p>≡ Fusicladium pomi (Fr. : Fr.) Lind 1913</p> <p>= Asteroma crataegi var. pomi Desm. 1846</p>	
Xenomeris	Xenomeris abietis M.E.	dieback of Douglas-

	Barr 1968 = <i>Sclerophoma xenomeria</i> Funk 1980	fir, hemlock
Eurotiomycetes		
Eurotiales		
Monascaceae		
Allescheria		human pathogens, sometimes assoc w/ plant diseases
Monascus Syn. Basipetospora	<i>Monascus purpurea</i> Went.	red yeast rice, used in food fermentations
Trichochoomaceae		
Byssochlamys	<i>Paecilomyces</i>	food spoilage
Emericella	<i>Aspergillus</i>	rot of peanuts, aflatoxins
Eupenicillium	<i>Penicillium</i>	storage rots, garlic blue mold
Eurotium	<i>Aspergillus</i>	food spoliage, black mold of onion
Penicilliopsis		seed parasite, tropical distribution
Talaromyces	<i>Penicillium</i>	storage rot of fruit
Leotiomycetes		
Erysiphales		
Erysiphaceae		powdery mildews
Blumeria Syn. Oidium	<i>Blumeria graminis</i>	powdery mildew of grasses
Erysiphe	<i>Erysiphe graminis</i>	powdery mildews of herbaceous plants
	<i>Erysiphe macrospora</i>	
Leveillula Syn. Oidiopsis	<i>Leveillula taurica</i> (Lév.) G. Arnaud	powdery mildew of cotton and many other hosts
Microsphaera	<i>Microsphaera alni</i>	powdery mildew of oak, alder, lilac, currant
Phyllactinia	<i>Ovariopsis</i>	powdery mildew of hazel, ash, birch
Podosphaera	<i>Podosphaera leucotricha</i>	powdery mildew of apple, plum
Sphaerotheca	<i>Sphaerotheca macularis</i>	powdery mildew of hops
Uncinula	<i>Uncinula necator</i>	mildew of grape,

		maple powdery mildew
Helotiales		
Cyttariaceae		
Cyttaria	Cyttaria berteroi Berk.	gall and canker of Nothofagus
Dermateaceae		
Atropellis	Atropellis pinicola Zeller & Goodd. 1930 ≡ Godronia zelleri Seaver 1945	canker of conifers; on EPPO list, Sept 2013
Blumeriella Syn. Phloeosporella	Blumeriella jaapii (Rehm) Arx 1961 ≡ Pseudopeziza jaapii Rehm 1907 ≡ Higginsia jaapii (Rehm) Nannf. 1932 = Coccomyces hiemalis B.B. Higgins 1913 ≡ Higginsia hiemalis (B.B. Higgins) Nannf. 1932 ≡ Blumeriella hiemalis (B.B. Higgins) Pöldmaa 1967 = Cylindrosporium hiemalis Higgins 1914 ≡ Phloeosporella hiemalis (B.B. Higgins) Pöldmaa 1967 = Coccomyces lutescens B.B. Higgins 1914 ≡ Higginsia lutescens (B.B. Higgins) Nannf. 1932 = Cylindrosporium lutescens B.B. Higgins 1914 = Ascochyta padi Lib. 1832	cherry leaf spot, shot hole disease of Prunus

	<p>= <i>Cylindrosporium padi</i> P. Karst. 1884</p> <p>≡ <i>Phloeospora padi</i> (P. Karst.) Petr. 1919</p> <p>= <i>Septoria padi</i> Lasch 1842</p> <p>= <i>Coccomyces prunophorae</i> B.B. Higgins 1914</p> <p>≡ <i>Higginsia prunophorae</i> (B.B. Higgins) Nannf. 1932</p> <p>= <i>Cylindrosporium prunophorae</i> B.B. Higgins 1914</p>	
	<p><i>Blumeriella kerriae</i> (V.B. Stewart) Korf 1971</p> <p>≡ <i>Coccomyces kerriae</i> V.B. Stewart 1917</p> <p>≡ <i>Higginsia kerriae</i> (V.B. Stewart) Nannf. 1932</p>	
Cadophora	<p><i>Cadophora gregata</i> (Allington & D.W. Chamb.) T.C. Harr. & McNew 2003</p> <p>≡ <i>Cephalosporium gregatum</i> Allington & D.W. Chamb. 1948</p> <p>≡ <i>Phialophora gregata</i> (Allington & D.W. Chamb.) W. Gams 1971</p>	Brown stem rot of soybean and other legumes
Dermea Syn. Foveostroma,	<p><i>Dermea abietinum</i> (Peck) Rossman 2014</p> <p>≡ <i>Gelatinosporium abietinum</i> Peck 1873</p> <p>≡ <i>Micropera abietina</i> (Peck)</p>	canker of conifers

	<p>Höhn. 1926</p> <p>≡ Foveostroma abietinum (Peck) DiCosmo 1978</p> <p>= Cenangium balsameum Peck 1885</p> <p>≡ Dermea balsamea (Peck) Seaver 1932</p> <p>= Cenangium balsameum var. abietinum Peck 1890</p>	
	<p>Diplocarpon fragariae (Sacc.) Rossman 2014</p> <p>≡ Leptothyrium fragariae Lib. 1832</p> <p>= Peziza earliana Ellis & Everh. 1884</p> <p>≡ Diplocarpon earlianum (Ellis & Everh.) F.A. Wolf 1924</p> <p>≡ Fabraea earliana (Ellis & Everh.) Seaver 1951</p> <p>= Phyllosticta potentillae Desm. 1847</p> <p>≡ Marssonina potentillae (Desm.) Magnus 1906</p> <p>= Marssonina potentillae var. fragariae Sacc. 1937</p>	Leaf scorch of strawberry
Diplocarpon Syn. Entomosporium, Fabraea, Marssonina	<p>Diplocarpon mespili (Sorauer) B. Sutton 1980</p> <p>≡ Stigmatea mespili Sorauer 1878</p> <p>= Fabraea maculata Atk. 1951</p> <p>≡ Diplocarpon maculatum</p>	Black spot of roses

	<p>(Atk.) Jørst. 1945</p> <p>= Entomosporium maculatum Lév. 1857 [1856]</p> <p>= Entomosporium maculatum var. domesticum (Sacc.) Grove 1884</p> <p>= Xyloma mespili DC. 1815</p> <p>≡ Entomosporium mespili (DC.) Sacc. 1880</p> <p>.</p>	
Oculimacula	<p>Oculimacula yallundae (Wallwork & Spooner) Crous & W. Gams 2003</p> <p>≡ Tapesia yallundae Wallwork & Spooner 1988</p> <p>≡ Tapesia yallundae var. yallundae</p> <p>= Cercospora herpotrichoides Fron 1912</p> <p>≡ Pseudocercospora herpotrichoides (Fron) Deighton 1973</p> <p>≡ Helgardia herpotrichoides (Fron) Crous & W. Gams 2003</p> <p>≡ Ramulispora herpotrichoides var. herpotrichoides</p> <p>≡ Ramulispora herpotrichoides (Fron) Arx 1983</p>	
Pilidium Syn. Discohainsia Hainesia	<p>Pilidium lythri (Desm.) Rossmann 2014</p> <p>≡ Dacrymyces lythri Desm.</p>	fruit rot of strawberry, stem rot of Rubus, canker of Eucalyptus

	<p>1846</p> <p>≡ <i>Hainesia lythri</i> (Desm.) Höhn. 1906</p> <p>= <i>Hainesia castaneae</i> Oudem. 1902</p> <p>= <i>Ceuthospora concava</i> Desm. 1847</p> <p>≡ <i>Pilidium concavum</i> (Desm.) Höhn. 1915</p> <p>≡ <i>Sclerotiopsis concava</i> (Desm.) Shear & B.O. Dodge 1921</p> <p>= <i>Sphaeronaema corneum</i> Cooke & Ellis 1878</p> <p>= <i>Hainesia epilobii</i> A.G. Eliasson 1896</p> <p>= <i>Patellina fragariae</i> F. Stevens & Peterson 1916</p> <p>= <i>Hainesia jabalpurensis</i> Sahni 1968</p> <p>= <i>Hainesia lunata</i> J. Kranz 1969</p> <p>= <i>Pezizella lythri</i> Shear & B.O. Dodge 1921</p> <p>= <i>Peziza oenotherae</i> Cooke & Ellis 1878</p> <p>≡ <i>Discohainesia oenotherae</i> (Cooke & Ellis) Nannf. 1932</p> <p>≡ <i>Pezizella oenotherae</i> (Cooke & Ellis) Sacc. 1889</p> <p>≡ <i>Hymenoscyphus</i> <i>oenotherae</i> (Cooke & Ellis)</p>	
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	<p>Kuntze 1898</p> <p>≡ <i>Helotium oenotherae</i> (Cooke & Ellis) Höhn. 1926</p> <p>≡ <i>Mollisia oenotherae</i> (Cooke & Ellis) Seaver 1951</p> <p>= <i>Gloeosporium rhoinum</i> Sacc. 1881</p> <p>≡ <i>Hainesia rhoina</i> (Sacc.) Ellis & Sacc. 1884</p> <p>≡ <i>Hymenula rhoina</i> (Ellis & Sacc.) Bubák & Kabát 1912</p> <p>= <i>Tubercularia rhois</i> Halst. 1893</p> <p>= <i>Hainesia rostrupii</i> Oudem. 1902</p> <p>= <i>Gloeosporium tremellinum</i> Sacc. 1880</p> <p>≡ <i>Hainesia tremellina</i> (Sacc.) Sacc. 1884</p> <p>= <i>Tubercularia zythioides</i> C. Massal. 1893</p>	
<p><i>Drepanopeziza</i> Syn. <i>Gloeosporidiella</i></p>	<p><i>Drepanopeziza populi-albae</i> (Kleb.) Nannf. 1932</p> <p>≡ <i>Pseudopeziza populi-albae</i> Kleb. 1918</p> <p>= <i>Gloeosporium castagnei</i> Desm. & Mont. 1849</p> <p>≡ <i>Marssonina castagnei</i> (Desm. & Mont.) Magnus 1906</p> <p>= <i>Leptothyrium populi</i> Lib.</p>	<p>leaf and shoot blights</p>

	<p>≡ Marssonina populi (Lib.) Magnus 1906</p> <p>≡ Gloeosporium populi (Lib.) Mont. & Desm. 1876</p> <p>Marssonina populi (Lib.) Sacc. 1884</p>	
	<p>Drepanopeziza ribis (Kleb.) Höhn. 1917</p> <p>≡ Pseudopeziza ribis Kleb. 1906</p> <p>= Leptothyrium ribis Lib. 1834</p> <p>≡ Gloeosporidiella ribis (Lib.) Petr. 1921</p>	Anthracnose of Ribes
Durandiella	<p>Durandiella pseudotsugae Funk 1962</p> <p>= Chondropodium pseudotsugae W.L. White 1936</p> <p>≡ Corniculariella pseudotsugae (W.L. White) DiCosmo 1978</p>	dime canker of Douglas-fir
Leptotrochila Syn. Sporonema	<p>Leptotrochila medicaginis (Fuckel) H. Schüepf 1959</p> <p>≡ Pyrenopeziza medicaginis Fuckel 1870 [1869-70]</p> <p>= Pseudopeziza jonesii Nannf. 1932</p> <p>= Ascochyta medicaginis Fuckel 1870 [1869]</p> <p>≡ Phyllosticta medicaginis (Fuckel) Sacc. 1884</p> <p>= Gloeosporium morianum</p>	yellow leaf blotch of alfalfa, leaf blight of clover

	<p>Sacc. 1886</p> <p>= <i>Sporonema phacidioides</i> Desm. 1847</p>	
<p><i>Neofabraea</i> Syn. <i>Phlyctaema</i></p>	<p><i>Neofabraea malicorticis</i> H. Jacks. 1913</p> <p>≡ <i>Pezicula malicorticis</i> (H. Jacks.) Nannf. 1932</p> <p>= <i>Macrophoma curvispora</i> Peck 1900</p> <p>≡ <i>Cryptosporiopsis curvispora</i> (Peck) Gremmen 1959</p> <p>= <i>Gloeosporium malicorticis</i> Cordley 1900</p> <p>≡ <i>Cryptosporiopsis malicorticis</i> (Cordley) Nannf. 1932</p> <p>≡ <i>Myxosporium malicorticis</i> (Cordley) Potebnia 1907</p>	<p>canker of poplar, other woody hosts</p>
<p><i>Pezicula</i> Syn. <i>Cryptosporiopsis</i></p>	<p><i>Pezicula cinnamomea</i> (DC.) Sacc. 1881</p> <p>≡ <i>Peziza cinnamomea</i> DC. 1815</p> <p>≡ <i>Dermatea cinnamomea</i> (DC.) W. Phillips 1887</p> <p>≡ <i>Encoelia cinnamomea</i> (DC.) Chaillet 1886</p> <p>≡ <i>Scleroderris cinnamomea</i> (DC.) Masee 1895</p> <p>= <i>Dermateaalni</i> Rehm 1889</p> <p>≡ <i>Dermatella quercina</i> var. <i>alni</i> (Rehm) Sacc. 1889</p>	<p>postharvest rot, apple canker</p>

	<p>≡ <i>Peziculaalni</i> (Rehm) Rehm 1912</p> <p>= <i>Dermateaaustralis</i> Rehm 1889</p> <p>≡ <i>Dermatellaaustralis</i> (Rehm) Sacc. 1889</p> <p>≡ <i>Peziculaaustralis</i> (Rehm) Rehm 1912</p> <p>= <i>Dermateabetulae</i> Rehm 1885</p> <p>≡ <i>Dermatellabetulae</i> (Rehm) Sacc. & P. Syd. 1889</p> <p>≡ <i>Peziculabetulae</i> (Rehm) Rehm 1912</p> <p>= <i>Dermateacarnea</i> Cooke & Ellis 1876</p> <p>≡ <i>Peziculacarnea</i> (Cooke & Ellis) Rehm 1912</p> <p>= <i>Peziculacinnamomea</i> f. <i>castaneae</i> Sacc. 1881</p> <p>= <i>Dermateaconigena</i> W. Phillips 1881</p> <p>≡ <i>Peziculaconigena</i> (W. Phillips) Sacc. 1889</p> <p>= <i>Peziculacornicola</i> Seaver 1937 Note: A later homonym exists.</p> <p>= <i>Dermateacoryli</i> Tul. 1853</p> <p>≡ <i>Peziculacoryli</i> (Tul.) Tul. & C. Tul. 1865</p> <p>≡ <i>Encoelia</i> <i>coryli</i> (Tul.)</p>	
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	<p>Quél. 1880</p> <p>= Dermatea dissepta Tul. 1853</p> <p>≡ Pezicula dissepta (Tul.) Tul. & C. Tul. 1865</p> <p>≡ Dermatella dissepta (Tul.) Sacc. 1884</p> <p>= Dermatea dryina Cooke ex W. Phillips 1887</p> <p>≡ Pezicula dryina (Cooke ex W. Phillips) Sacc. 1889</p> <p>= Pezicula eucalypti Korf & Iturr. 1997</p> <p>= Pezicula fagicola Rehm ex Wagner 1896</p> <p>= Pezicula ilicina Kirschst. 1944</p> <p>= Dermatina javanica Höhn. 1909</p> <p>= Pezicula juniperina Rehm 1912</p> <p>= Dermatea laricicola Fuckel 1867</p> <p>≡ Pezicula laricicola (Fuckel) Fuckel 1870</p> <p>= Patellaria livida Berk. & Broome 1854</p> <p>≡ Durella livida (Berk. & Broome) Sacc. 1889</p> <p>≡ Pezicula livida (Berk. & Broome) Rehm 1878</p>	
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	<p>≡ <i>Lacaniidion lividum</i> (Berk. & Broome) Lambotte 1880</p> <p>≡ <i>Dermatea livida</i> (Berk. & Broome) W. Phillips 1887</p> <p>≡ <i>Dermatella livida</i> (Berk. & Broome) Sacc. 1889</p> <p>≡ <i>Scleroderris livida</i> (Berk. & Broome) Masee 1895</p> <p>= <i>Dermatella livida</i> subsp. <i>pachyspora</i> Sacc. 1889</p> <p>= <i>Dermatea minuta</i> Peck 1879</p> <p>≡ <i>Pezicula minuta</i> (Peck) Peck 1887</p> <p>= <i>Dermatea pallidula</i> Cooke 1888</p> <p>≡ <i>Scleroderris pallidula</i> (Cooke) Sacc. 1889</p> <p>≡ <i>Pezicula pallida</i> (Cooke) Rehm 1912</p> <p>= <i>Pezicula plantarium</i> Wollenw. 1939</p> <p>= <i>Dermatea pseudoplatani</i> W. Phillips 1888</p> <p>≡ <i>Pezicula pseudoplatani</i> (W. Phillips) Masee 1895</p> <p>= <i>Dermatea quercina</i> Fuckel 1866</p> <p>≡ <i>Pezicula quercina</i> (Fuckel) Fuckel 1870</p> <p>≡ <i>Dermatella quercina</i></p>	
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	<p>(Fuckel) Sacc. 1889</p> <p>≡ <i>Dermea quercina</i> (Fuckel) Rehm 1896</p> <p>= <i>Dermatea quercina</i> f. <i>aceris</i> Rehm 1887</p> <p>≡ <i>Dermatea alni</i> f. <i>aceris</i> (Rehm) Rehm 1889</p> <p>≡ <i>Dermatella quercina</i> var. <i>aceris</i> (Rehm) Sacc. 1889</p> <p>= <i>Pezicula salicacearum</i> Kirschst. 1941</p> <p>= <i>Dermatea simillima</i> Ellis & Everh. 1894 [1893]</p>	
<p><i>Pyrenopeziza</i> Syn. <i>Cylindrosporium</i></p>	<p><i>Pyrenopeziza brassicae</i> B. Sutton & Rawl. 1979 [1978] = <i>Cylindrosporium concentricum</i> Grev. 1822</p> <p>≡ <i>Gloeosporium concentricum</i> (Grev.) Berk. & Broome 1850</p> <p>≡ <i>Cylindrodochium concentricum</i> (Grev.) Bonord.</p>	<p>light leaf spot of winter oilseed rape (Brassica)</p>
<p><i>Rhynchosporium</i></p>	<p><i>Rhynchosporium secalis</i> (Oudem.) Davis 1919</p> <p>≡ <i>Marssonina secalis</i> Oudem. 1897</p> <p>≡ <i>Marssonina secalis</i> (Oudem.) Magnus 1906</p>	<p>leaf blotch of cereals</p>
<p>Helotiaceae</p>		
<p><i>Ascocalyx</i></p>	<p><i>Ascocalyx berenice</i> (Berk. & M.A. Curtis) Baschien 2014</p> <p>≡ <i>Fusisporium berenice</i> Berk. & M.A. Curtis 1875</p> <p>≡ <i>Bothrodiscus berenice</i> (Berk. & M.A. Curtis) J.W.</p>	<p>canker, branch dieback of pine</p>

	<p>Groves 1968</p> <p>= Ascocalyx abietis Naumov 1925 [1926]</p> <p>≡ Godronia abietis (Naumov) Seaver 1945</p> <p>≡ Fusarium berenice (Berk. & M.A. Curtis) Sacc. 1886</p> <p>= Bothrodiscus pinicola Shear 1907</p>	
<p>Crumenulopsis Syn. Digitosporium</p>	<p>Crumenulopsis sororia (P. Karst.) J.W. Groves 1969</p> <p>≡ Crumenula sororia P. Karst. 1871</p> <p>≡ Godronia sororia (P. Karst.) P. Karst. 1885</p> <p>= Digitosporium piniphilum Gremmen 1953</p>	<p>canker of pine, dieback</p>
<p>Godronia Syn. Topospora</p>	<p>Godronia cassandrae Peck 1885</p> <p>= Godronia cassandrae f. ribicola J.W. Groves 1965</p> <p>= Godronia cassandrae f. vaccinii J.W. Groves 1965</p> <p>= Fusicoccum putrefaciens Shear 1917</p> <p>= Sphaeronaema radula Berk. & M.A. Curtis 1874</p> <p>≡ Rhynchophoma radula (Berk. & M.A. Curtis) Sacc. 1884</p>	<p>canker of blueberry, cranberry fruit rot</p>
<p>Gremmeniella Syn. Brunchorstia</p>	<p>Gremmeniella abietina (Lagerb.) M. Morelet 1969</p> <p>≡ Crumenula abietina Lagerb.</p>	<p>branch dieback of pine, Scleroderris canker of conifers</p>

	<p>1913</p> <p>≡ Lagerbergia abietina (Lagerb.) J. Reid ex Dennis 1971</p> <p>= Brunchorstia destruens Erikss. 1891</p> <p>= Crumenula pinea Ferd. & C.A. Jørg. 1939</p> <p>= Septoria pinea P. Karst. 1884</p> <p>≡ Brunchorstia pinea (P. Karst.) Höhn. 1915</p> <p>≡ Excipulina pinea (P. Karst.) Höhn. 1903</p>	
Grovesiella	<p>Grovesiella abieticola (Zeller & Goodd.) M. Morelet & Gremmen 1969</p> <p>≡ Scleroderris abieticola Zeller & Goodd. 1930</p> <p>≡ Godronia abieticola (Zeller & Goodd.) Seaver 1951</p> <p>= Pitostroma abietinum Kowalski & Sieber 1992</p>	canker, branch dieback of fir
Mastigosporium	<p>Mastigosporium album Riess 1863</p> <p>≡ Bactridium album (Riess) Bonord. 1862</p> <p>= Excipulina graminum P. Karst. 1887</p> <p>≡ Mastigosporium graminum (P. Karst.) Nag Raj 1979</p> <p>= Pestalozzina soraueriana Sacc. 1894</p>	leaf spots of grasses, purple eyespot

Pragmopora Syn. Pragmopycnis	Pragmopora pithya (Fr.) J.W. Groves 1967 ≡ Excipula pithya Fr. 1822 = Pragmopycnis pithya B. Sutton & Funk 1975	canker of conifers
Hemiphacidiaceae		
Rhabdocline Syn. Meria, Rhabdogloeum	Rhabdocline pseudotsugae Syd.	needle casts of Douglas-fir, larch
Hyaloscyphaceae		
Lachnellula	Lachnellula willkommii (R. Hartig) Dennis 1962 ≡ Peziza willkommii Hartig 1874 Variant spelling Peziza willkommii Hartig 1874 ≡ Dasyscyphus willkommii (R. Hartig) Rehm 1881 Note: as -Dasyscypha- ≡ Helotium willkommii (Hartig) Wettst. 1887 ≡ Lachnella willkommii (Hartig) Seaver 1951 ≡ Trichoscypha willkommii (Hartig) Boud. 1907 ≡ Trichoscyphella willkommii (R. Hartig) Nannf. 1932	larch canker
Phacidiaceae		
Allantophomopsiella	Allantophomopsiella pseudotsugae (M. Wilson) Crous 2014 ≡ Phomopsis pseudotsugae M. Wilson 1920 ≡ Allantophomopsis pseudotsugae (M. Wilson)	

	<p>Nag Raj 1993</p> <p>≡ Phacidiopycnis pseudotsugae (M. Wilson) G.G. Hahn 1957</p> <p>= Phacidiella coniferarum Hahn 1957</p> <p>≡ Phacidium coniferarum (Hahn) DiCosmo, Nag Raj & Kendr. 1983</p> <p>≡ Potebniomyces coniferarum (Hahn) Smerlis 1962</p> <p>= Ligniella pinicola Naumov 1926</p> <p>≡ Discula pinicola (Naumov) Petr. 1928</p> <p>= Discula pinicola var. mammosa Lagerb., G. Lundb. & Melin 1928</p> <p>= Phacidium pulverulentum J.C. Schmidt : Fr. 1817</p> <p>= Phomopsis strobi Syd. 1922</p>	
Allantophomopsis	<p>Allantophomopsis cytispora (Fr. : Fr.) Petr. 1925</p> <p>≡ Sphaeria cytispora Fr. : Fr. 1823</p> <p>= Ceuthospora lunata Shear 1902</p> <p>≡ Apostrasseria lunata (Shear) Nag Raj 1983</p>	
Coleophoma	<p>Coleophoma empetri (Rostr.) Petr. 1929</p> <p>≡ Septoria empetri Rostr.</p>	

	1888 ≡Rhabdostromina empetri (Rostr.) Died. 1921 = Coleophoma ericae Höhn. = Sporonema oxycocci Shear 1907	
Gremmenia	Gremmenia abietis (Dearn.) Crous	Snow blight of conifers
Phacidium Syn. Ceuthospora	Phacidium lauri (Sow.) Crous & D. Hawks. Apostrasseria,	
Sclerotiniaceae		
Botrytis Syn. Botrytinia	Botrytis allii	Botrytis diseases of many hosts
	Botrytis cinerea Syn. Botryotinia fuckeliana	
	Botrytis fabae	
	Botryotinia porri	
Ciboria	Ciboria carunculoides (Siegler & Jenk.) Whetzel Syn. Sclerotinia carunculoides Siegler & Jenk.	popcorn disease of Morus
Ciborinia		leaf blight of aspen, poplar, petal blight of camellia
Cristulariella Syn. Nervostroma	Cristulariella depraedans (Cooke) Hohn. Syn. Nervostroma depaedans Narumi & Y. Harada	
Encoelia	Encoelia fascicularis (Alb. & Schwein. : Fr.) P. Karst.	sooty bark canker of aspen
Gloeotinia Syn. Endoconidium	Gloeotinia temulenta (Prill. & Delacr.) M. Wilson Syn. <i>Endoconidium</i> <i>temulentum</i> Prill. & Delacr.	blind seed disease of grasses
Monilinia Syn. Monilina	Monilinia fructigena	brown rot of apple, pear, cherry, mummy berry of blueberry
	Monilinia fructicola	
	Monilinia laxa (Aderh. &	

	Ruhland) Honey Syn. Sclerotinia laxa	
	Monilinia oxycocci	
	Monilinia vaccinia-corymbosi	
Ovulinia Syn. Ovulitis	Ovulinia azaleae F.A. Weiss Syn. Monilinia azaleae	blight of Azalea, Kalmia
Sclerotinia	Sclerotinia sclerotiorum	white mold of many hosts
Septotinia Syn. Septotis	Septotinia populiperda Waterman & Cash ex B. Sutton Syn. Septogloeum populiperdum Moesz & Smarods ≡ Septotis populiperda (Moesz & Smarods) B. Sutton	leaf blotch of poplar
Mediolariales		
Mediolariaceae		
Mediolaria		causes deformity of Medeola Liliaceae
Rhytismatales		
Ascodichaenaceae		
Ascodichaena Syn. Polymorphum	Ascodichaena sarcoides (Jacq.) J.W. Groves & DE. Wilson	black bark scab of beech
Rhytismataceae		
Bifusella		tar spot of five needle pines
Cyclaneusma	Cyclaneusma minus Syn. Naemacyclus minor	needle cast of pine
Darkera		on conifer foliage
Davisomycella		needle cast of pine
Elytroderma		dieback and brooms of hard pines
Fabrella	Frabrella tsugae (Farl.) Kirschst.	
Hypodermella		needle blight of larch
Isthmiella		needle blight of true fir
Lirula		needle blight of true fir, spruce
Lophodermella		needle casts of pine
Lophodermium	Leptothyrium, Leptostroma	on pine, spruce,

	spermatial states	juniper foliage, twig blight of cranberry
Meloderma		needle blight of soft pines
Ploioderma		needle cast of southern pine
Potebniamyces	Phacidiopycnis	canker of Douglas-fir, fruit storage rot
Rhytisma Syn. Melasmia	Rhytisma acerinum	tar spot of maple
	Rhytisma punctatum	
Strasseria	Strasseria geniculata (Berk. & Broome) Höhn.	black rot of apple
Therrya		on branches of conifers
Meliolomycetes		
Meliolales		
Meliolaceae		
Meliola		black mildew
Pezizomycetes		
Pezizales		
Rhizinaceae		
Phymatotrichopsis Syn. Phymatotrichum	Phymatotrichopsis omnívora Syn. Phymatotrichum omnivorum	
Rhizina		Rhizina root disease of conifers
Sarcosomataceae		
Urnula Syn. Strumella	Urnula craterium or Conoplea globosum	canker of oak
Caloscypha Syn. Geniculodendron	Caloscypha fulgens (Pers.) Boud. Syn. Geniculodendron pyriforme G.A. Salt	Conifer seed rot, preemergence damping off
Sordariomycetes		
Diaporthales		
Cryphonectriaceae		
Cryphonectria	Cryphonectria parasitica	Chestnu blight
Endothia Syn. Endothiella	Endothia gyrosa	canker of oaks and other hardwoods
Diaporthaceae		
Diaporthe Syn. Phomopsis	Diaporthe citri	Melanose of citrus

	<i>Diaporthe helianthi</i>	canker, soybean blight, black rot of cucumber, twig dieback various hosts
	<i>Diaporthe phaseolorum</i>	
	<i>Diaporthe vaccinii</i>	
	<i>Diaporthe vexans</i>	
Gnomoniaceae		
Anisogramma	<i>Anisogramma anomala</i>	canker of hazel, birch
Apiognomonina	<i>Apiognomonina errabunda</i> (Roberge ex Desm.) Höhn. Syn. <i>Apiognomonina quercina</i> (Kleb.) Höhn.	anthracnose of ash, oak, sycamore, dogwood
Discula	<i>Discula destructiva</i>	
Ophiognomonina	<i>Ophiognomonina clavigignenti-juglandacearum</i> (N.B. Nair, Kostichka & J.E. Kuntze) Broders & Boland Syn. <i>Sirococcus clavigignenti-juglandacearum</i> N.B. Nair, Kostichka & J.E. Kuntze	Butternut canker
	<i>Ophiognomonina leptostyla</i> Syn. <i>Gnomonia leptostyla</i> Syn. <i>Marssonina juglandis</i>	
Plagiostoma Syn. Dothichiza	<i>Plagiostoma fraxini</i> Syn. <i>Discula fraxinea</i>	
	<i>Plagiostoma populinum</i> (Fuckel) L.C. Mejía Syn. <i>Dothichiza populea</i> Sacc. & Briad	
Sirococcus	<i>Sirococcus conigenus</i> (DC.) P.F. Cannon & Minter Syn. <i>Sirococcus strobilinus</i>	foliage and shoot blight of conifers
	<i>Sirococcus piceicola</i> Rossman, Castl., D.F. Farr & Stanosz	Shoot blight of spruce
	<i>Sirococcus tsugae</i> Rossman, Castl., D.F. Farr & Stanosz	Shoot blight of hemlock
Gnomonia	<i>Zythia</i>	leaf blights,

		strawberry stem rot
Valsaceae		
Tubakiaceae???		
Coniella	Coniella castaneicola	
Tubakia	Tubakia dryinaa sola	
Leucostoma	Leucostoma personii	cankers of hardwood and fruit trees
Linospora		leaf blight of poplar
Mamianiella		leaf spot of hazel
Melanconis	Melanconium	butternut canker
Valsa Syn. Cytospora	Valsa abietis	
Glomerellales		
Glomerellaceae		
Colletotrichum syn. Glomerella	Colletotrichum acutatum	anthracnose, fruit rots, numerous diseases of many food crops
	Colletotrichum cereale	
	Colletotrichum coccodes	
	Colletotrichum gloeosporioides	
	Colletotrichum graminicola	
	Colletotrichum higginsianum	
	Colletotrichum trifolii	anthracnose
Plectosphaerellaceae		
Plectosphaerella Syn. Plectosporium	Plectosporium cucumerina (Lindf.) W. Gams	several diseases on various hosts
	Plectosphaerella melonis (Ts. Watan. & Mas. Sato) A.J.L. Phillips, A. Carlucci & M.L. Raimondo Syn. Nodulisporium melonis Ts. Watan. & Mas. Sato 1995 = Acremonium cucurbitacearum Alfaro-Garcia, W. Gams & J. Garcia-Jim. 1996	
Hypocreales		
Bionectriaceae		

Clonostachys Syn. Bionectria Gliocladium	Clonostachys roseus Syn. Gliocladium roseum	used for biocontrol
Geosmithia	Geosmithia morbida	
Myrothecium	Myrothecium roridum	
Nectriella	Nectriella pironi Alfieri & SamuelsPest Syn. Kutilakesa pironi Alfieri	
Pseudonectria Syn. Volutella	Pseudonectria buxi Syn. Volutella buxi	
	Pseudonectria pachysandricola Syn. Volutella pachysandrae	
Clavicipitaceae		
Atkinsonella	Ephelis, Neotyphodium	choke disease of pooid grasses
Balansia Syn. Ephelis	Balansia claviceps	choke disease of pooid grasses
	Balansia oryzae-sativae	
Claviceps	Sphacelia	seed disease of cereals
Epichloë	Neotyphodium	choke disease of pooid grasses
Myriogenospora	Myriogenospora atramentosa	
Hypocreaceae		
Trichoderma Syn. Hypocrea	Trichoderma viride	biocontrol
Nectriaceae		
Calonectria Syn. Cylindrocladium	Calonectria crotalariae	
	Calonectria pseudonaviculata	Boxwood blight
Fusarium Syn. Albonectria, Gibberella	Fusarium rigidiuscula (Berk. & Broome) comb. nov. Basionym: Fusarium decemcellulare C. Brick Syn. Nectria rigidiuscula Berk. & Broome	numerous diseases of many food crops
	Fusarium oxysporum	
	Fusarium solani	
	Fusarium moniliforme Syn. Gibberella fujikuroi	
Ilyonectria	Ilyonectria radicularia Syn. Cylindrocarpon destructans	
Nectria	Nectria cinnabarina	Coral spot of

Syn. Tubercularia		hardwoods
Neocosmospora	Acremonium	stem and root rot of soybean
Pseudonectria	Volutella	Cankers, dieback
Thyronectria Syn.? Gyrostroma ²	Thyronectria austroamericana	canker of honey locust
Neonectria Syn. Cylindrocarpon	Neonectria coccinea (Pers. : Fr.) Rossman & Samuels	European beech canker
	Neonectria ditissima Syn. Neonectria galligena Syn. Cylindrocarpon heteronemum	
	Neonectria faginata (M.L. Lohman, A.M.J. Watson & Ayers) Castl. & Rossman Syn. Nectria coccinea var. faginata M.L. Lohman, A.M.J. Watson & Ayers 1943 Syn. Cylindrocarpon faginatum C. Booth	American beech canker
Myrothecium	Myrothecium roridum	necrosis of foliage, stems, fruit, cotton, coffee, cucurbits, tomato
Magnaporthales		
Magnaporthaceae		
Gaeumannomyces	Gaeumannomyces graminis	take all of cereals, grasses
Harpophora	Harpophora graminicola	
	Harpophora radicola (Cain) W. Gams Syn. Phialophora radicola Cain = Phialophora zeicola Deacon & D.B. Scott ≡ Harpophora zeicola (Deacon & D.B. Scott) W. Gams	Root rot-stalk rot of grasses
Pyriculariaceae		

Pyricularia Syn. Magnaporthe	Pyricularia grisea Sacc. Syn. Magnaporthe grisea	
Pyricularia Syn. Magnaporthe	Pyricularia oryzae Syn. Magnaporthe oryzae	rice blast, cereal diseases
Microascales		
Ceratocystideae		
Ceratocystis	Ceratocystis fimbriata Ellis & Halst.	Gummosis, wilting, cankers, chlorosis, root rot, necrosis
	Ceratocystis paradoxa (Dade) C. Moreau ≡ Ophiostoma paradoxum (Dade) Nannf. ≡ Chalara paradoxa (De Seynes) Sacc. 1892 ≡ Thielaviopsis paradoxa (De Seynes) Höhn. 1904 ≡ Endoconidiophora paradoxa (De Seynes) R.W. Davidson	Leaf and fruit rot.
	Ceratocystis ambrosiae	
	Ceratocystis fagacearum	
	Ceratocystis piceae	
	Ceratocystis radicicola	
Raffalea	Raffalea	
Thielaviopsis	Thielaviopsis basicola Syn. Chalara elegans	
Plectosphaerella Syn. Plectosporium	Plectosporium cucumerina (Lindf.) W. Gams	several diseases on various hosts
	Plectosphaerella melonis (Ts. Watan. & Mas. Sato) A.J.L. Phillips, A. Carlucci & M.L. Raimondo Syn. Nodulisporium melonis Ts. Watan. & Mas. Sato 1995 = Acremonium cucurbitacearum Alfaro-Garcia, W. Gams & J. Garcia-Jim. 1996	
Verticillium	Verticillium albo-atra	Various diseases of food crops

	Verticillium dahliae	
Ophiostomatales		
Ophiostomataceae		
Ophiostoma	Ophiostoma novo-ulmi Brasier	
Ophiostoma	Ophiostoma ulmi (Buisman) Nannf. Syn. Ceratocystis ulmi (Buisman) C. Moreau = Graphium ulmi M.B. Schwarz ≡ Pesotum ulmi (M.B. Schwartz) J.L. Crane & Schokn.	Dutch elm disease, black stain, blue stain
Phyllachorales		
Phyllachoraceae		
Phyllachora Syn. Linochora	Phyllachora graminis	foliage blights of many hosts, tar spot of Sorghum
Sordariales		
Chaetomiaceae		
Chaetomium	Chaetomium globosum Kunze : Fr.	food spoilage in storage
Monosporascus	Monosporascus cannonballus Uecker	root and stem rot of cucurbits
Xylariales		
Amphisphaeriaceae		
Seimatosporium Syn. Discostoma	Seimatosporium salicinum (Corda) Nag Raj	leaf spots
	Seimatosporium berckmansii (Milbrath) B. Sutton	foliage blight of arborvitae
	Seimatosporium mariae	
Seiridium Syn. Lepteutypa	Seiridium cupressi (Guba) Boesew.	canker of Cupressaceae
Pestalotiopsis Syn. Pestalosphaeria	Pestalotiopsis disseminata	leaf spots and blights
	Pestalotiopsis funerea	
Diatrypaceae		
Cryptosphaeria	Cytosporina	canker of poplar
Diatrype		usually on woody

		hosts dying from other causes
Diatrypella		on dying branches of fruit and hardwood
Eutypa		dieback of several woody hosts, grape
Eutypella Syn. Libertella	Eutypella quarternata (Pers. : Fr.) Rappaz Syn. Libertella faginea Desm.	canker and dieback of oak
Hyponectriaceae		
Microdochium	Microdochium panattoniaum Syn. Marssonina panattoniana	
Physalospora		black canker of willow, cranberry rot
Xylariaceae		
Anthostomella		on leaves and stems of various hosts
Daldinia		weak pathogen on oak
Hypoxyton Syn. Nodulisporium		canker of aspen, poplar, charcoal disease of cork oak, dieback of oak, plane, sycamore
Kretschmeria		root and butt rot of various woody hosts
Nemania Syn. Geniculosporium	Nemania serpens (Pers.) Gray Syn. Geniculosporium serpens Chesters & Greenh.	Sapwood rot of woody hosts
Nigrospora Syn. Khuskia	Nigrospora oryzae Syn. Khuskia oryzae	
Rosellinia Syn. Dematophora	Rosellinia aquila	root and stem diseases on several hosts
	Rosellinia bunodes	
	Rosellinia herpotrichioides	
Ustulina		basal canker, sapwood rot of beech, elm, plane
Xylaria		wood decay
Ascomycetes Incertae sedis		
Hymenula	Hymenula cerealis Ellis & Everh. 1894 Cephalosporium gramineum Y. Nisik. & Ikata 1934	Cephalosporium stripe of grasses

Linocarpon	Phialophora	diseases of palms
Monographella	Microdochium	pink snow mold of turf grasses, lettuce ring spot (anthracnose)
Basidiomycota		
<u>Agaricomycetidae</u> <u>Agaricomycotina</u>		
Agaricales		
<u>Coprinaceae</u> <u>Psathyrellaceae</u>		
Coprinopsis	Coprinopsis psychromorbida (Redhead & Traquair) Redhead, Vilgalys & Moncalvo Syn. Coprinus psychromorbidus Redhead & Traquair	fruit storage rot
<u>Marasmiaceae</u> <u>Physalacriaceae</u>		
Armillaria	Armillaria mellea	root pathogens of various forest and fruit trees, also caneberries, grape
	Armillaria ostoyae	
	Armillaria tabescens	
<u>Omphalotaceae</u>		
Marasmiellus	Marasmiellus inoderma us	root rot of maize e
	Marasmiellus stenospilus	root rot of sugarcane
<u>Tricholomataceae</u> <u>Marasmiaceae</u>		
<u>Crinipellis</u> <u>Moniliophthora</u>	<u>Crinipellis-Moniliophthora</u> perniciosa us	Witches' broom of cacao
	<u>Crinipellis-Moniliophthora</u> roreri	Frosty pod <u>rot</u> of cacao
<u>Mycenaceae</u>		
Mycena	Mycena citricolor	<u>leaf-rooster eye</u> spot of coffee, other diseases of tropical hosts
<u>Schizophyllaceae</u>		
<u>Grifola</u>	<u>Grifola frondosa (Dicks.: Fr.)</u> <u>SF Gray</u>	<u>root rot of oak</u>
<u>Schizophyllum</u>	<u>Schizophyllum commune</u>	<u>sapwood rot</u>
<u>Chondrostereum</u>	<u>Chondrostereum purpureum</u>	<u>silver leaf disease</u>
Aphylophorales (Polyporales) <u>Thelephorales</u>		
<u>Clavariaceae</u> <u>Typhulaceae</u>		
Typhula	Typhula ishikariensis	snow mold of cereals, turf grass

<u>Thelephoraceae</u>		
<u>Thelephora</u>		<u>ectomycorrhizal, sometimes smothers nursery seedlings</u>
<u>Atheliales</u>		
Atheliaceae		
Athelia Syn. Fibularhizoctonia	Athelia arachnoidea (Berk.) Jülich Syn. Rhizoctonia carotae Rader 1948 ≡ Fibularhizoctonia carotae (Rader) G.C. Adams & Kropp	Crater rot of carrots in cold storage
	Athelia Di rolfisii (Curzi) Tu & Kimbr. Syn. Corticium rolfisii Curzi ≡ Pellicularia rolfisii (Curzi) E. West = Sclerotium rolfisii Sacc.	blights and rots of various hosts, soybean, storage rots
<u>Corticiaceae</u> <u>Russulales</u>		
<u>Bondarzewiaceae</u>		
<u>Heterobasidion</u> Syn. <u>Spiniger</u>	<u>Heterobasidion annosum (Fr.)</u> <u>Bref.</u> <u>Syn. Spiniger meineckellum</u> <u>(A. Olson) Stalpers</u>	<u>root rot, heart rot of conifers</u>
<u>Echinodontiaceae</u>		
<u>Echinodontium</u>	<u>Echinodontium tinctorium</u>	<u>heart rot of conifers</u>
<u>Stereaceae</u>		
Aleurodiscus		root pathogen of true fir
<u>Amylostereum</u>	<u>Amylostereum areolatum</u> <u>(Fr.) Boidin</u>	<u>sapwood decay of conifers, vectored by woodwasp</u>
<u>Stereum</u>	<u>Stereum murrayi</u>	<u>wound decays, canker rot of hardwoods</u>
<u>Xylobolus</u>	<u>Xylobolus frustulatus Syn.</u> <u>Stereum frustulosum</u>	<u>heart rot of oak, white pocket rot</u>
<u>Corticiales</u>		
<u>Corticiaceae</u>		
Corticium		heart rot
Laetisaria		red thread diseases of turf grasses

Limonomyces		blight of perennial ryegrass
<u>Erythricium</u>	<u>Erythricium salmonicolor</u>	<u>pink disease of tropical plants</u>
Polyporales		
<u>Fomitopsidaceae</u> <u>Coriolaceae</u>		
Fomitopsis		sapwood and heart rots
Piptoporus		sapwood rot of birch
<u>Meripilus</u>	<u>Meripilus giganteus</u>	<u>root rot of beech, oak</u>
<u>Fomes</u>		<u>sapwood rot of beech</u>
<u>Trametes</u>		<u>sapwood rots</u>
<u>Rigidoporus</u>	<u>Rigidoporus lignosus</u>	<u>root rot, white pocket rot of various hosts</u>
Ganodermataceae		
Ganoderma	Ganoderma lucidum	root rot, sapwood and heart rot
Meripilaceae		
Grifola	Grifola frondosa (Dicks.: Fr.) SF Gray	root rot of oak
Meripilus	Meripilus giganteus	root rot of beech, oak
Rigidoporus	Rigidoporus lignosus	root rot, white pocket rot of various hosts
Meruliaceae		
Chondrostereum	Chondrostereum purpureum	silver leaf disease
Phanerochataceae		
Erythricium	Erythricium salmonicolor	pink disease of tropical plants
Polyporaceae		
Cerrena	Burgoa	sapwood rot of hardwoods
<u>Fomes</u>		<u>sapwood rot of beech</u>
Perenniporia		heart rot
Hymenochaetales		
<u>Hymenochaetaceae</u>		
Phaeolus		heart rot
<u>Trametes</u>		<u>sapwood rots</u>
Schizophyllaceae		
Schizophyllum	Schizophyllum commune	sapwood rot
Phellinus	Phellinus weirii	root rots, sapwood rots, heart rots
<u>Inonotus</u>	<u>Inonotus tomentosus</u>	<u>root rot, sapwood rot, heart rot</u>
Ceratobasidiales Cantharellales		
Ceratobasidiaceae		
Ceratobasidium	Ceratorhiza (=Rhizoctonia)	root rot, seedling

		blight, damping off, web blight
Rhizoctonia Syn. Thanatephorus	Rhizoctonia solani Syn. Thanatephorus cucumeris	root rots, scab, damping off, leaf blight, vascular streak dieback
Waitea Syn. Rhizoctonia	Waitea circinata Syn. Rhizoctonia zeae	blight, damping off of cereals, turf grass
Helicobasidiales		
Helicobasidiaceae		
Helicobasidium	Helicobasidium purpureum Syn. Rhizoctonia crocorum	
Hymenochaetales		
Hymenochaetaceae		
Phellinus	Phellinus weirii	root rots, sapwood rots, heart rots
Inonotus	Inonotus tomentosus	root rot, sapwood rot, heart rot
Russulales		
Bondarzewiaceae		
Heterobasidion Syn. Spiniger	Heterobasidion annosum (Fr.) Bref. Syn. Spiniger meineckellum (A. Olson) Stalpers	root rot, heart rot of conifers
Echinodontiaceae		
Echinodontium	Echinodontium tinctorium	heart rot of conifers
Stereaceae		
Amylostereum	Amylostereum areolatum (Fr.) Boidin	sapwood decay of conifers, vectored by woodwasp
Stereum	Stereum murrayi	wound decays, canker rot of hardwoods
Xylobolus	Xylobolus frustulatus Syn. Stereum frustulosum	heart rot of oak, white pocket rot
Thelephorales		
Thelephoraceae		
Thelephora		ectomycorrhizal, sometimes smothers nursery seedlings
Tremellomyces		
Cystofilobasidiales _[AMC1]		
Cystofilobasidiaceae		
Itersonilia	Itersonilia perplexans Derx	
Urediniomyces Pucciniomycotina		
Helicobasidiales		
Helicobasidiaceae		

<u>Helicobasidium</u>	<u>Helicobasidium purpureum</u> <u>Syn. Rhizoctonia crocorum</u>	
Microbotryales		
Microbotryaceae		
Microbotryum		<u>Anther smuts</u> diseases of dicots
Sphacelotheca		head smut of maize
Septobasidiales		
Septobasidiaceae		
Septobasidium		a plant parasite via scale insects
<u>Uredinales</u><u>Pucciniales</u>		
Coleosporiaceae		
Chrysomyxa	Chrysomyxa ledi	spruce-rhododendron rust
	Chrysomyxa ledicola	
	Chrysomyxa pyrolae	
	Chrysomyxa weirii	
Coleosporium	Coleosporium ipomoeae	sweet potato rust, pine needle rust
Cronartiaceae		
Cronartium	Cronartium flaccicum	white pine blister rust, fusiform rust
	Cronartium occidentale	
	Cronartium quercuum	
	Cronartium ribicola	
Endocronartium		stem rust of hard pines
Melampsoraceae		
Melampsora	Melampsora epitea	poplar-conifer rusts
	Melampsora larici-populina	
	Melampsora occidentalis	
Phakopsoraceae		
Phakopsora	Phakopsora pachyrhizi	soybean rust
Phragmidiaceae		
Arthuriomyces		orange rust of blackberry
Frommeella	Frommeella tormentillae Syn. Phragmidium potentillae	
Kuehneola	Kuehneola uredinis	blackberry stem and leaf rust
Phragmidium Syn. Frommeella	Phragmidium tuberculatum	rust of blackberry, rose, rosaceous hosts
	Phragmidium violaceum	<u>blackberry rust</u>

	<u>Phragmidium tormentillae</u> <u>Syn. Frommeella</u> <u>tormentillae</u>	
Pucciniaceae		
Gymnosporangium	Gymnosporangium fuscum	incense cedar-pear rust, juniper gall rust, pear trellis rust
	Gymnosporangium juniperi-virginianae	
	Gymnosporangium yamadae	
Hemileia	Hemileia vastatrix	
Puccinia		stem rusts of cereals, sunflower rust, chrysanthemum white rust, daylily rust
Uromyces	Uromyces gladioli	rusts of legumes
	Uromyces graminicola	
Pucciniastraceae		
Melampsorium		alder, birch-larch rust
Pucciniastrum		foliage rust of true fir, spruce
Uredinopsis		foliage rust of true fir
Raveneliaceae		
Ravenelia		rusts of many tropical hosts
Uropyxidaeae		
Tranzschelia	Tranzschelia discolor	
	Tranzschelia pruni	
<u>Mikronegeriaceae</u>		
<u>Hemileia</u>	<u>Hemileia vastatrix</u>	<u>coffee rust</u>
<u>Ustilaginomyces</u> <u>Ustilaginomycotina</u>		
Entylomatales		
Entylomataceae		
Entyloma		leaf spots on various hosts
Exobasidiales		
Brachybasidiaceae		
Brachybasidium		parasite of palms
Dicellomyces		parasitic on Arundinacea and Scirpis
Exobasidiaceae		
Exobasidium	Exobasidium vaccinii	leaf, bud, flower galls of ericaceous hosts, also camellia
Muribasidiospora		leaf spots on Rhus,

		Celtis
Microstomatales		
Microstomataceae		
Microstoma		stomaticolous on oak, walnut, hickory
Tilletiales		
Tilletiaceae		
Neovassia		rice smut, karnal bunt of wheat
Tilletia	Tilletia barclayana	bunt of cereals
	Tilletia controversa	
	Tilletia indica	
Urocystales		
Urocystaceae		
Urocystis	Urocystis agropyri	smuts of cereals, onion
	Urocystis gladiolicola	
Ustilaginales		
Ustilaginaceae		
Sporisorium (=Sorisporium)	Sporisorium scitamineum Syn. Ustilago scitamineum	
Ustilago	Ustilago avenae	smut of cereals, maize
	Ustilago maydis	
	Ustilago striiformis	
	Ustilago tritici	
Kingdom Chromista		
Labyrinthulomycota		
Labyrinthulomycetes		
Labyrinthulales		
Labyrinthulaceae		
Labyrinthula		wasting disease of the intertidal marine grass Zostera; “rapid blight” of turfgrass
Oomycota		
Oomycetes		
Peronosporales		
Albuginaceae		
Albugo	Albugo candida (Pers. : Fr.) Kuntze	white rust of crucifers, sweet potato
Peronosporaceae		
Bremia		downy mildew of lettuce

Hyaloperonospora	Hyaloperonospora parasitica	
Peronosclerospora	Peronosclerospora maydis	
	Peronosclerospora noblei	
	Peronosclerospora philippinensis	
	Peronosclerospora sacchari	
	Peronosclerospora sorghi	
	Peronosclerospora spontanea	
Peronospora		downy mildew of various hosts
Plasmopara	Plasmopora halstedii	downy mildew of grape, sunflower
	Plasmopora obducens	
	Plasmopora viticola	
Pseudoperonospora		downy mildew of cucurbits, hops
Sclerophthora	Sclerophthora imacrospora	
Pythiales		
Pythiaceae		
Peronophytophthora		blossom blight and fruit rot of Litchi chinensis
Phytophthora	Phytophthora cactorum	
	Phytophthora capsici	
	Phytophthora cinnamomi	
	Phytophthora infestans	potato, tomato late blight; many important species causing root rot, damping off, foliage and bud blight, fruit rot
	Phytophthora nicotianae	
	Phytophthora ramosum	Sudden oak death
Pythium	Pythium ultimum	seed rots, damping-off, seedling blights, watery rots, fruit rots, and root rots
Trachysphaera	Trachysphaera fructigena	fruit rot of banana, cocoa, coffee
Saprolegniales		
Leptolegniaceae		
Aphanomyces	Aphanomyces euteiches	root rots of alfalfa, beet, pea
Sclerosporales		

Verrucalvaceae		
Pachymetra	<i>Pachymetra chaunorhiza</i> Croft & Dick	root disease of sugarcane
Sclerophthora	Sclerophthora rayssiae var. zeae	crazy top and brown stripe downy mildews of maize
Verrucalvus	Verrucalvus flavofaciens	kikuyu yellows of Pennisetum
Kingdom Protozoa		
Plasmodiophoromycetes		
Plasmodiophorales		
Plasmodiophoraceae		
Plasmodiophora	Plasmodiophora brassicae Woron.	clubroot of crucifers
Polymyxa	Polymyxa betae	root diseases of grasses, beets, virus vectors
Spongospora	Spongospora subterranea (Wallr.) Lagerh.	powdery scab of potato