

The Powdery Mildews (Erysiphales) of Britain & Ireland – an Identification Guide and Census Catalogue for Wales

*Y Llwydni Blodeuog (Erysiphales) o Brydain ac
Iwerddon – Canllaw Dull Adnabod a Chatalog
Cyfrifiad ar gyfer Cymru.*

**Ray G. Woods, Arthur O. Chater, Debbie A. Evans,
Paul A. Smith & R. Nigel Stringer**

Summary

The powdery mildew fungi form a well circumscribed group of parasitic fungi in the Order Erysiphales within the phylum Ascomycetes (the “spore shooters”). If the host plant can be accurately identified the task of identifying the powdery mildew(s) is relatively easy. Presented here is a catalogue of host plant species (including cultivars) and their powdery mildews recorded from the countries of mainland Britain and the island of Ireland and the Vice-counties of Wales. A synopsis of characters is also provided to enable a fungus to be identified where more than one occurs on a particular host. Also included and differentiated in this synopsis are host/fungus interactions reported from nearby in mainland Europe that might be expected to occur in Britain and Ireland.

Over 700 taxa of powdery mildews are known world-wide with just over 200 species reported here from Britain and Ireland. Catalogued by the Vice-counties within Wales are over 150 species of powdery mildews. Representatives of all five Tribes of these fungi occur in Britain and Ireland. As many of the wild host plants diminish in extent the fungi that are dependent on them grow scarcer. This guide, we hope, will stimulate their study and enable conservation priorities to be established.

Crynodeb

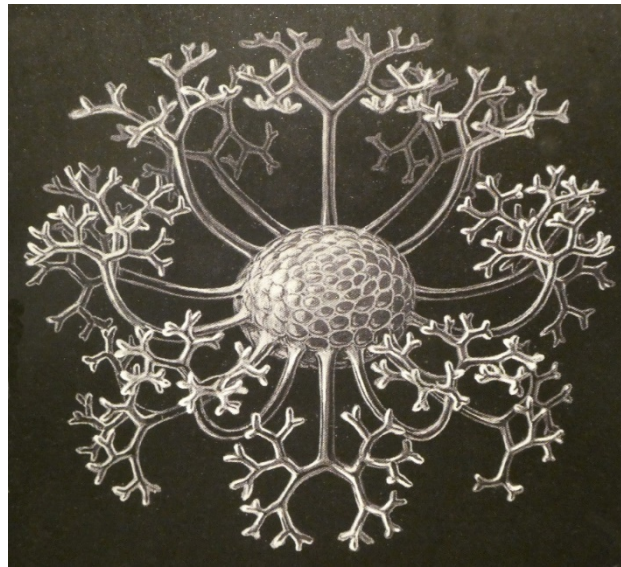
Ffurfir y ffwng llwydni blodeuog grwp cyfyngiedig o ffyngau parasitig o fewn yr Urdd Erysiphales sydd o fewn y Ffylwm Ascomycetes (y 'saethwyr sborau'). Os yw planhigion cynhaliol yn cael eu enwi'n gywir, mae'r dasg o enwi y llwydni blodeuog yn weddol hawdd. Wedi ei gyflwyno yma mae catalog o rywogaethau o blanhigion cynhaliol (yn cynnwys eu cultifarau) a'u llwydni blodeuol sydd wedi eu cofnodi yng ngwledydd tir mawr Prydain ac ynys Iwerddon ac Is-siroedd (Vice Counties) Cymru. Hefyd, rhoi'r crynodeb o nodweddion sy'n galluogi i'r ffwng gael ei enwi'n gywir yn yr achosion ble mae mwy nac un yn bodoli ar blanhigyn cynhaliol arbennig. Yn y crynodeb ac wedi eu gwahaniaethu ynddo cynhwysir rhyngweithiad planhigion cynhaliol/ffwng sydd wedi eu cofnodi wrth yml yn nhir mawr Ewrop .

Adnabyddir dros 700 tacs a llwydni blodeuog dros y byd i gyd, gyda dros 200 wedi eu cofnodi yma ym Mhrydain ac Iwerddon. Wedi eu catalogio fesul Is-sir(Vice County) o fewn Cymru, mae dros 150 tacs a llwydni blodeuog. Mae cynrychiolwyr o'r pum tylwyth o llwydni blodeuog yn bodoli ym Mhrydain ac Iwerddon. Fel mae nifer o'r planhigion gwyllt cynhaliol yn lleihau yn eu ehangder, maer ffyngau sy'n ddibynadwy arnynt yn prinhaus. Gobeithiwn y gwnaiff yr arweiniad yma ysgogi eu astudiaeth a galluogi blaenoriaethau cadwraeth gael eu sefydlu.

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Iwerddon – Canllaw Dull Adnabod a Chatalog
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“Sometimes it’s the little things that matter the most”



**Ray G. Woods, Arthur O. Chater, Debbie A. Evans,
Paul A. Smith & R. Nigel Stringer**

2024

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Published by A.O. Chater, Windover, Penyrangor, Aberystwyth, Ceredigion SY23 1BJ

Distributed by R.G. Woods, Ty Mawr Mill, Builth Wells, Powys LD2 3SH

Printed by Powerprint, Llandrindod Wells, Powys

ISBN 978-0-9565750-7-4

Cite as: Woods, R.G., Chater, A.O., Evans, D.A., Smith, P.A. & Stringer, R.N. (2024). *The Powdery Mildews (Erysiphales) of Britain and Ireland - an Identification Guide and Census Catalogue for Wales*. A.O. Chater, Aberystwyth.

Available for download from <https://www.aber.ac.uk/waxcap/downloads>

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Golovinomyces cucurbitacearum on a Courgette plant.

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Preface

In 2019 Chater and Woods produced a guide and census catalogue of the powdery mildews (Erysiphales) of Wales. Since its publication many new records have been made and almost a hundred new host/powdery mildew associations discovered. It is also reported to be a valued publication beyond the borders of Wales. In response, that guide has been expanded with additional authors to include records from the countries of England, Scotland and the island of Ireland. The identification guidance section has been updated in line with recent world literature, errors corrected and its coverage widened by the inclusion of more taxa found on the near continent that might occur in Britain and Ireland. We hope this will further stimulate the study of this fascinating group of fungi.

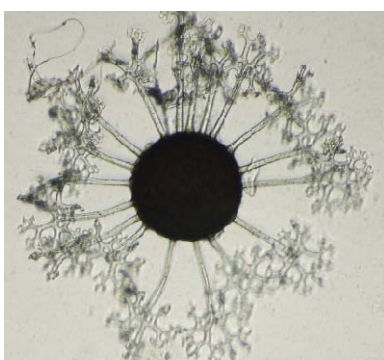
Acknowledgements

The authors are grateful to:-

- The British Mycological Society who in 2019 awarded the Welsh Rust Fungus Group the Field Mycology Prize for their publication of Red Data Books of Welsh rust and smut fungi. Some of the prize money has been used to fund the publication of and subsidise the distribution of this book, allowing it to reach a wider readership and promote the study of microfungi;
- Bruce Ing for sharing his knowledge and his British and Welsh records;
- Chris Preston, Julian Woodman, John Poland, David Mitchell, Ian Morgan, Mark Evans and Theresa Greenaway for records and for helpful suggestions;
- Andy Shaw for sharing records from his cultivated plants, including the apomicts;
- Eilir Evans for providing the Welsh translations;
- Roger Cook for help with identifications at an early stage in this project and David Harries for DNA investigations into selected species complexes.



Podosphaera xanthii on Orange Balsam *Impatiens capensis*



Chasmothecium of *Erysiphe hypophylla*



Podosphaera mors-uvae on Gooseberry *Ribes uva-crispa*

Introduction

There are few gardeners, horticulturalists or farmers who have not regretted the existence of powdery mildews. Few crops are resistant to their attentions and we ignore them at our peril. Try to grow crops as diverse as cereals, cucurbits, brassicas or soft fruit or a garden full of roses and, given a spell of dry weather, powdery mildews soon appear. Enjoying a glass of wine or beer is entirely dependent on the growers of grapes, malt and hops understanding the life cycle of powdery mildews and mounting an unrelenting campaign to control the latter's abundance. It seemed sensible at this time to take a "stock check" on the powdery mildews of Wales and the rest of Britain and Ireland.

The authors, having spent decades recording the vascular plant flora of parts of Wales (Chater 2010 and Woods 1993), have noted the diminution in extent of many species. Threats to this flora have been quantified in a Red Data List for Wales (Dines 2008) and in Vice-county rare plant registers (see BSBI website). As plants become more threatened it seemed to the authors that the future of those microfungi dependant on these plants must be equally if not more threatened. In an attempt to better understand this threat and stimulate further study a small group of mycologists recently produced Red Data Lists of Welsh rust fungi (Woods *et al.* 2015) and smut fungi and their allies (Woods *et al.* 2018).

A Red List for the powdery mildews (Erysiphales) of Wales also seemed desirable, but a search of the literature and data bases yielded so little information for most of Wales that even a draft list could not be confidently constructed. Moreover, recently developed molecular techniques had greatly altered our taxonomic concept of this group (Braun & Cook 2012) and better elucidated the host range of the fungi, so a number of old records had to be discarded. These new concepts also made Bruce Ing's excellent check list and guide produced in seven parts in the *Mycologist* between 1990 and 1991 now less useful, and the recent changes have also by and large made Ellis & Ellis (1997), otherwise an excellent source of information on microfungi, rather out of date. The checklist of British Ascomycete fungi (Cannon *et al.* 1985) is equally out of date.

The conscientious student of powdery mildews has therefore to turn to the *Taxonomic Manual of the Erysiphales (Powdery Mildews)* by Uwe Braun and Roger Cook published in 2012, a masterly but somewhat expensive volume covering the entire world, or employ Friedemann Klenke and Markus Scholler's *Pflanzenparasitische Kleinpilze* published in German in 2015. The publication of both of these works does not seem to have greatly stimulated mycologists to record these fungi in Britain. To make use of these volumes with any ease it is necessary to determine the species or at least the genus of the host plant. This seems to be a major stumbling block to many active field mycologists taking up a study of these fungi. The authors have therefore decided to create a guide that might appeal to the vascular plant recorder, as well as the committed mycologist, in the hope of stimulating an interest in powdery mildews and so create more records and a better understanding of the relationships between these interesting fungi and their hosts.

Given our low knowledge base for Wales, we have expanded in this second edition the lists and identification guide to include the host/fungus combinations recorded from mainland Britain by countries and also from the island of Ireland. Also included in the identification guide are those mildews that are most likely to occur here given their known distribution in Western Europe and bearing in mind the possible consequences of a changing climate. The ever-expanding horticultural trade between countries and intercontinental travel has also led to the introduction of many new

species of both host plant and powdery mildew. For example, the Oak Mildew (*Erysiphe alphitoides*), now one of our commonest powdery mildews, was first reported in Britain in 1907 (Ingram & Robertson 1999). At least in south-east England some ecologists consider that by limiting the photosynthetic efficiency of oak seedlings the ability of oak to regenerate inside woodlands has been compromised and other species may now replace oak. Re-growth from coppice stools and pollarded trees may also be checked and occasionally killed. It may originally have been a mildew species hosted by mangos that spread to imported oak species in SE Asia in the latter years of the 1800s (Boddy 2021). Recently it has been found for the first time on *Wisteria* species in southern England, further demonstrating the ability of these fungi to “jump” hosts.



Oak Mildew (*Erysiphe alphitoides*) abundant on the coppice regrowth shoots of oak.

Over 700 species of powdery mildew have been recorded worldwide (Braun & Cook 2012) divided into 5 tribes, all of which have Welsh representatives. Wales, despite its small size, supports over 150 taxa compared to just under 200 in the whole of Britain and Ireland. By expanding the scope of this publication to include a guide to the identification of taxa that occur beyond the Welsh border we hope it might find a wider appeal and result in the discovery of taxa previously unreported from Wales. It still, however, remains a “work in progress” and a detailed examination and re-evaluation of existing specimens in the major mycota collections, though highly desirable, has not yet been undertaken. Nor do we claim any special expertise in this group of fungi so would be very pleased to receive any corrections or additions.

Powdery mildews are ascomycetes (the “spore shooters”) and exist in two states, the asexual anamorph state reproducing by means of conidia, and the sexual teleomorph state reproducing by means of ascospores produced in asci developing in more or less spherical chasmothecia. The usually conspicuous whitish mycelium and conidiophores on leaves, and sometimes on stems or fruits, are what one normally notices (see illustrations below-all © A.O. Chater). The chasmothecia of the teleomorph are produced on the mycelium later in the season, though may be absent. If present and when mature they are usually just visible to the naked eye, and are easily seen with a hand lens as minute-coloured dots, blackish when mature. On maturity the chasmothecia may develop hair-like appendages that may branch in characteristic ways.



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Blumeria avenae on Winter
Wild-oat *Avena sterilis*



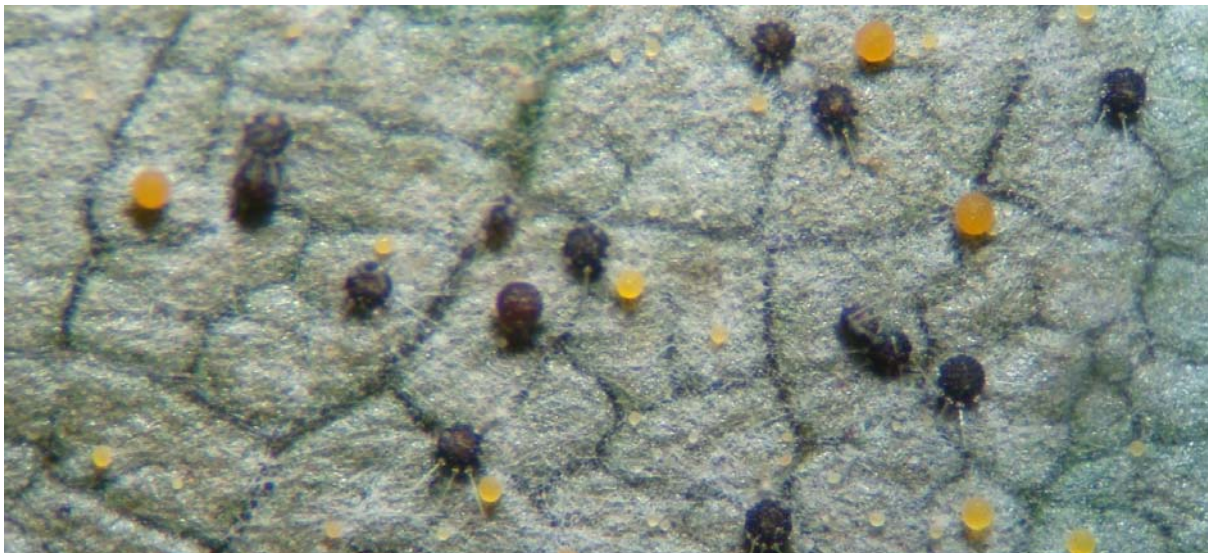
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Erysiphe adunca on Grey
Willow *Salix cinerea*



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Phyllactinia orbicularis on
Beech *Fagus sylvatica*



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Chasmothecia of *Phyllactinia fraxini* at various stages of maturity

Powdery mildews may be confused by the beginner with species of *Ramularia* and related genera. The latter can be recognised immediately with a hand lens as the mycelium of *Ramularia* spp. is within the plant tissue, often swiftly killing it and the short, usually unevenly branched whitish conidiophores, instead of being generally distributed over the surface of the leaf, arise in clusters through the stomata.

They may also be confused with downy mildews (not fungi, but Oomycetes in the Kingdom Chromista). The mycelium of these members of the Peronosporales is internal in the plant tissue and the sporangiophores (more or less equivalent to conidiophores) emerge through the stomata; in the Peronosporaceae the sporangiophores are elongated and branched above so that the colonies are downy or felt-like and usually greyish in colour. Thick-walled, sexually produced oospores occur in many species, and can often be found in the plant tissue, although they are not always produced and not always in the same parts as the sporangia.



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Ramularia bistortae on
Bistorta officinalis



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Ramularia urticae on
Urtica dioica



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Ramularia calthae on
Caltha palustris



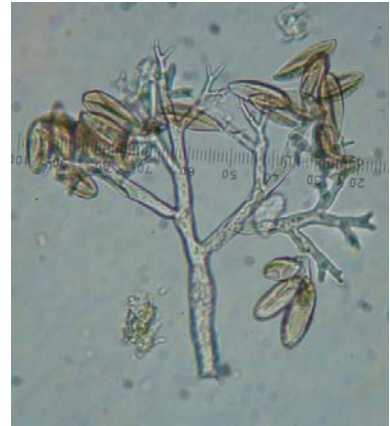
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The downy mildew
Plasmoverna pygmaea on
Anemone nemorosa leaves



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Sporangiophores and
sporangia of the downy mildew
Peronospora obovata as
viewed through a hand lens



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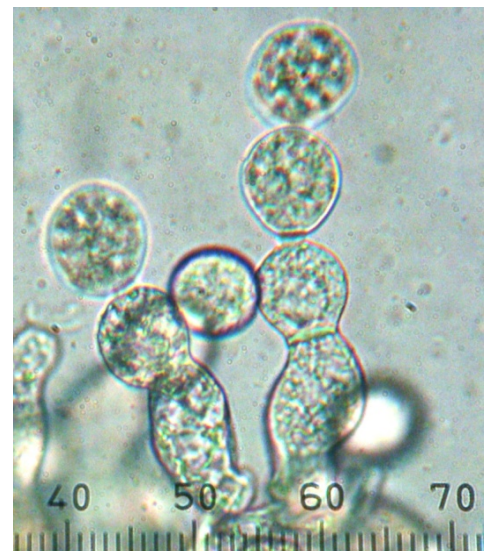
Sporangiophore and sporangia
of the downy mildew
Peronospora flava as viewed
through a microscope

In the Albuginaceae (*Albugo* and *Pustula*) the sporangiophores are short, clavate, entire and dense so that the colonies are like a shiny white crust.



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Albugo candida on the leaves of *Cochlearia* sp.



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Sporangiophores and sporangia of
Albugo candida

The conservation of Powdery Mildews

A lack of records still precludes any detailed assessment of threat statuses. Within Wales in the wild no Powdery Mildew species have been noted that exclusively occur on any threatened host species (Dines 2008). A number of mildews are reported from a wide range of host species. Many recent studies have tended to demonstrate that genetic differences exist within these species of extensive host range, necessitating the creation of new species. This should be born in mind in assessing the impact of any development of sites likely to result in the loss of powdery mildews.

The identification of Powdery Mildews

If the host can be established the task of identification is much simpler, since most powdery mildew taxa are host specific, so identification of the host, at least to genus, is the first requirement here. Identifying powdery mildews from the fungus alone is a considerable challenge. Braun & Cook (2012) provide a key, though for many genera you will need to examine fungal structures of almost all the life stages of the fungus and even need to consider the times of maturity of some structures. Tabulated alphabetically below by host genus and fungus are the most useful diagnostic characters that distinguish the powdery mildew species reported from Britain or the near continent. Greenhouse and indoor hosts and their fungi are omitted, though Ing (1990-91) devotes a section to this group of species.

The approach adopted here is very inclusive. In addition to all the host/powdery mildew combinations already reported from mainland Britain and Ireland, we have included those that may already be here but have yet to be detected, or that are likely to occur here in the near future, especially with climate change and the importation of plants from abroad. Distribution information concerning the fungi is based chiefly on data from the old and new Fungal Records Data Base of Britain and Ireland (FRDBI) of the British Mycological Society. As indicated below some of this data has had to be reassessed. The fungal taxonomy, nomenclature and characters chiefly follow Klenke & Scholler (2015) and Braun & Cook (2012). Ing (1990-91) provided much information, though requiring considerable updating and interpretation. Host names mostly follow Stace (2019) though occasionally (eg. in *Polygonum*) we have not taken up the proposed lumping of taxa so as not to lose information should this lumping eventually be reversed and follow Sell & Murrell (1996-2018). Mildew names in bold have either been reliably reported from Britain and/or Ireland, or claimed for these territories, some probably erroneously, but are nevertheless worth consideration. Pending a badly needed thorough revision and publication of a reliable checklist of the British mildew species, this seems to us to be the most helpful approach.

In no way is the catalogue below meant to be an authoritative guide to identification; rather it is an aid and a warning of possibilities and is intended to prevent shortcut identifications that may be wrong. For the powdery mildews, where the taxonomy and nomenclature are currently in a perhaps even greater state of flux than those of the hosts, access to up-to-date identification literature is essential. A good example of one current problem is the recording of *Golovinomyces cichoracearum*. As Braun & Cook (2012) make clear, this mildew is confined to genera of Asteraceae subfamily Cichorioideae, yet it is still being recorded even in the New FRDBI on *Sonchus*, where, assuming it is a *Golovinomyces*, it should be *G. sonchicola*, and it is wrongly recorded on other demonstrably

incorrect genera as well. The situation with *Sonchus* is straightforward, but in some other cases, such as *Calendula*, although the mildew will not be *G. cichoracearum*, it is not clear what it should be called, so, as in other similar cases, we have followed Klenke & Scholler (2015) in calling it *G. cichoracearum* s. l. Similarly, in the New FRDBI *Podosphaera fusca* is recorded on *Taraxacum*, *Matricaria* and *Lapsana*, whereas Braun & Cook (2012) make clear that this mildew is confined to *Doronicum* and the records on these other hosts should, assuming they are of a *Podosphaera*, be *P. erigerontis-canadensis*. The situation is even more confusing in the old FRDBI, where, for example, *Plantago lanceolata* has records of *Podosphaera macularis* (actually confined to *Humulus*), *P. fuliginea* (actually confined to *Veronica*), *P. plantaginis* and *Golovinomyces sordidus*; one wonders how many of the records of the latter two have been confirmed microscopically, notably by the presence or absence of fibrosin bodies in their conidia.

Mildews on Fabaceae and Asteraceae are often extremely difficult to identify for certain, and this is usually obvious from the characters given in the catalogue below.

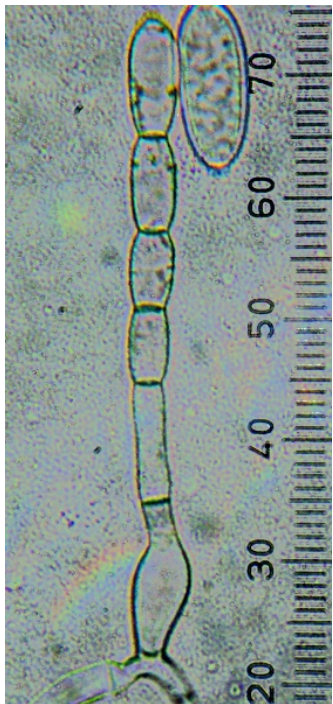
In a major departure from Chater & Woods (2019) we have now listed powdery mildews on grasses by host genus following the publication of Liu *et al.* (2021). They have examined gene sequences in a selection of grass genera and describe a number of new species from such sequences. Since not all grass species in all genera have been sequenced the treatment here has to be considered to be “work in progress” and its use employed with caution.

There are rather few reliable records of species of *Leveillula* from Britain and Ireland, but with climate change they may become more frequent. These potential arrivals have mostly not been included here, but should be looked out for on many genera, and can generally be distinguished from our other genera by the very large conidia (30-150µm) which are dimorphic, the primary, longer ones being usually ovate-lanceolate in outline and often pointed at the apex.

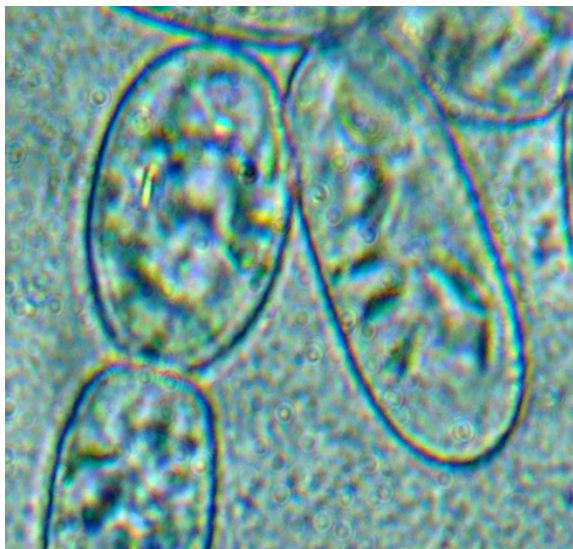
Examining Powdery Mildews

A microscope is essential for identification. Until experience has been gained, it is strongly recommended that only fresh material is used for identification. The mycelium can be scraped or picked off the leaf surface with a needle, but the easiest method is to use a piece of transparent sticky tape such as Sellotape: a small piece is pressed onto the leaf, peeled off, and placed in a drop of water on a slide; it is then turned over so that the sticky side with the mycelium is uppermost, replaced in the drop and a coverslip added.

Conidia and Conidiophores



Conidiophores that bud off conidia should be readily apparent. Distinguishing between conidia formed singly from those formed in chains can be difficult: when conidiospores are formed singly, after a ripe conidium has detached, at most only one swollen cell is left at the apex of the conidiophore (see image above right), but when they are formed in chains several decreasingly swollen cells can be seen down the conidiophore (see left image of *Blumeria graminis*). The latter image also shows the characteristic swollen foot-cell of the conidiophore in this species.



Shard-like fibrosin bodies inside conidia

Fresh material is always preferable to work with, and fibrosin bodies, reflective shard-like bodies in the conidia (see images above), can *only* be seen on fresh material. To see the germ tubes conidia have to be germinated: the leaf surface is tapped over the inside of the lid of a Petri dish so that

conidia are deposited on its surface; a dampened piece of tissue is put in the dish, the lid closed and the whole kept in the dark at room temperature for 12-24 hours, or if need be for even longer, when the germ tubes will have emerged. They can be examined by removing and inverting the lid and observing the conidia on it under the microscope without the use of a cover slip. In some species germ tubes may be long, in others short, whilst some show a distinctive pattern of branching. Examples are shown below.

Germinating conidia showing variously shaped germ tubes



Germ tubes short and lobed



Germ tubes short and unlobed



Germ tube long and unlobed

Appressoria

Hyphal appressoria are swellings developed at intervals along the hyphae allowing the fungus to gain access to the host's cells. They can be obscure and difficult to find in some powdery mildew species, whilst in others they may be nipple-shaped or slightly to strongly lobed.



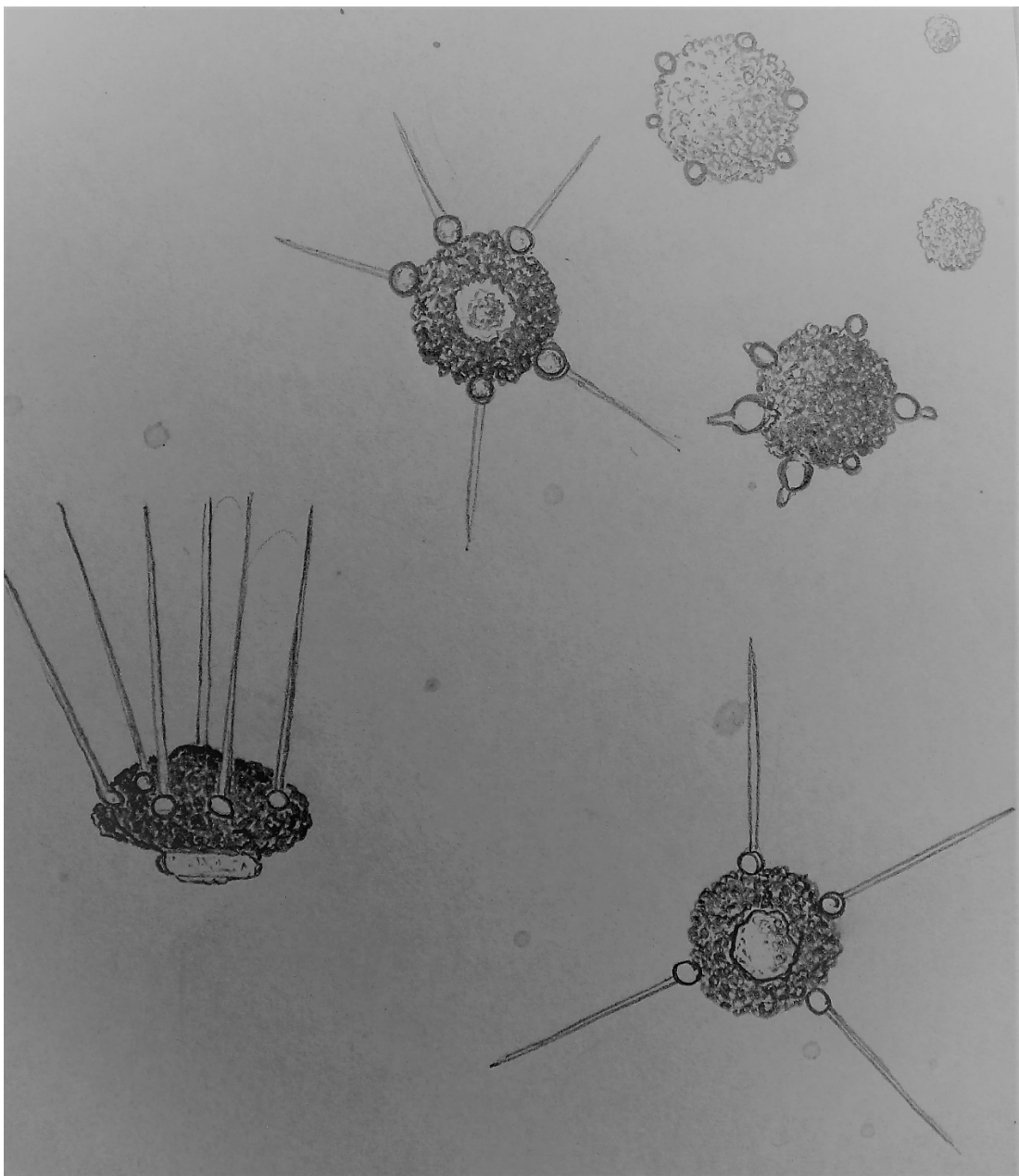
Nipple-shaped appressoria of *Golovinomyces orontii*



Lobed appressoria of *Neerysiphe galeopsidi*.

Chasmothecia

The fruiting bodies of powdery mildews are spherical to somewhat flattened and, lacking any obvious opening, are called chasmothecia. Many exhibit hair-like appendages, the varied shapes of which, when mature, aid identification. They can be examined on Sellotape preparations, but are often more easily studied if picked off the leaf with a fine needle; the appendages can be difficult to see intact if they are entangled in the mycelium, and their full length and the apical forking or branching (in the relevant species) are often not properly developed until after the chasmothecium is fully grown and darkened. In a few species a search of leaves shed from the host plant may alone reveal mature chasmothecia. "Branched" means that the appendages are repeatedly, tightly and symmetrically dichotomously branched at the apex; "forked" means forked once, or irregularly forked only a few times. Asci also need to be fairly ripe before the number of ascospores in them can be counted. A gentle tap on the cover slip may be required to break open a mature chasmothecium to reveal the asci.



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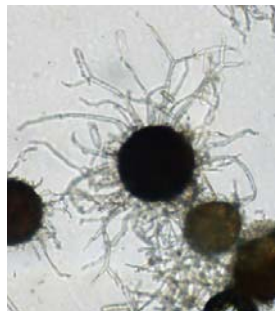
The illustration above (©A. O. Chater) of the chasmothecia of the Hazel powdery mildew *Phyllactinia guttata* shows the various stages of development from immature (top right) to mature (bottom and bottom left). This extraordinary species, fruiting on the underside of the leaves, secretes a blob of glue on the chasmothecium side facing the ground. The appendages as they mature then bend back to prise the chasmothecium off the leaf surface and then function as the feathers in a shuttle cock to ensure the blob of glue comes into contact with a twig or the soil below the tree. There it sits all winter until the new leaves form next spring before splitting apart to fire off its ascospores to reinfect the tree.

Chasmothecia



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Straight appendages with swollen bases.
Phyllactinia betulae



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Forked appendages.
Podosphaera convolvuli var.
calystegiae



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Branched appendages.
Erysiphe hypophylla



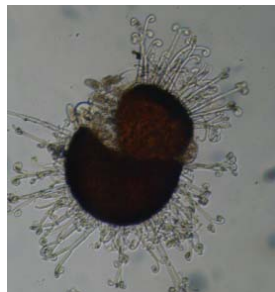
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Branched appendages.
Podosphaera myrtilli



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Flexuous appendages.
Erysiphe flexuosa



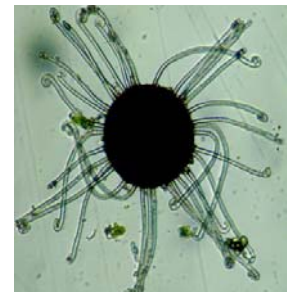
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Forked and coiled appendages.
Sawadaea bicornis



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Unbranched, not swollen appendages with emergent asci.
Erysiphe aquilegiae var. *ranunculi*



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Hooked appendages.
Erysiphe prunastri

One hazard is the presence of ripe chasmothecia of another species fallen or blown from a different host; normally if chasmothecia belonging to the mycelium are present they occur in different stages of development and coloration, or are reasonably numerous, and isolated mature ones should be viewed with suspicion. Hyperparasites can also cause confusion, the commonest being *Ampelomyces quisqualis* whose dark, ovoid pycnidia are formed on the mildew's mycelium and conidiophores (see right from Tulasne (1861)).



The introductory chapters of Braun & Cook (2012) provide the best account of the mildews and their characteristics.

Specimens should be preserved by pressing and drying as for plants, and kept insect-free in small paper packets (like moss-packets). They can be collected into the same packets in the field.

Powdery Mildews Identification Catalogue

Tabulated below on the left is the host genus followed to the right by the powdery mildew species reported from this host. Those in bold have been recorded from Britain and/or Ireland (but see above for qualifications). Where only a single mildew species is known from a host genus no descriptive characteristics of the fungus are provided since its identity is self-evident. Where more than one fungus species is reported from a host genus the most useful characteristics to separate the fungi are tabulated.

Stace (2019) has been mostly employed to identify the host species, though Poland & Clement (2020) is especially useful when the host is not flowering or the mildew has inhibited flowering.

The following abbreviations are used:

- A ascospores. The number(s) following are the number of ascospores per ascus
- C conidia
- CH chasmothecia
- CHA chasmothecia appendages
- CP conidiophores
- FB fibrosin bodies in conidia
- GT germ tube of conidium
- HA hyphal appressoria

Measurements are generally given as a range and are in microns (μm). Where the original record betrayed a doubt as to the true identity of the fungus but the record of a powdery mildew on that host is noteworthy 'cf' has been appended to the record.

<i>Acaena</i>	Podosphaera aphanis var. aphanis
<i>Acanthus</i>	Golovinomyces orontii HA nipple-shaped. Neoerysiphe galeopsidis HA lobed.
<i>Acer campestre</i>	Phyllactinia marissalii FB absent; C formed singly; CHA entire, straight, swollen at base. Sawadaea bicornis FB present; C formed in chains; CHA mostly forked at apex once or twice, not swollen at base. Sawadaea tulasnei FB present; C formed in chains; CHA mostly entire, not swollen.
<i>Acer platanoides</i>	Phyllactinia marissalii FB absent; C formed singly; CHA entire, straight, swollen at base. Sawadaea bicornis FB present; C formed in chains; CHA mostly forked at apex once or twice, not swollen at base. Sawadaea tulasnei FB present; C formed in chains; CHA mostly entire, not swollen at base.
<i>Acer pseudoplatanus</i>	Phyllactinia marissalii FB absent; C formed singly; CHA entire, straight, swollen at base. Sawadaea bicornis FB present; C formed in chains; CHA mostly forked once or twice at apex, not swollen at base.
<i>Acer japonica cv, macrophyllum, negundo, saccharinum, tataricum</i>	Sawadaea bicornis C formed in chains; CHA mostly forked at apex.
<i>Acer japonica, palmatum</i>	Sawadaea polyfida C formed in chains; CHA densely packed and repeatedly branched at tips
<i>Acer macrophyllum, palmatum, saccharinum, tataricum</i>	Sawadaea tulasnei C formed in chains; CHA mostly entire, not swollen at base.
<i>Achillea</i>	Golovinomyces artemisiae C c.1.5 as long as wide; CHA colourless. Golovinomyces macrocarpus C c.twice as long as wide; CHA brown.
<i>Aconitum</i>	Erysiphe aquilegiae var. ranunculi
<i>Actaea</i>	Erysiphe aquilegiae var. aquilegiae
<i>Adonis</i>	Erysiphe aquilegiae var. ranunculi FB absent; HA lobed; A (2-)3-5(-6). Podosphaera delphinii FB present; HA indistinct or nipple-shaped; A 6-8.
<i>Aegopodium</i>	Erysiphe heraclei
<i>Aesculus</i>	Erysiphe alphitoides FB absent; CHA straight, branched at apex. Erysiphe flexuosa FB absent; CHA flexuous, uncinata at apex. Sawadaea bicornis FB present; CHA straight, forked at apex.
<i>Aethusa</i>	Erysiphe heraclei
<i>Agrimonia</i>	Podosphaera aphanis var. aphanis
<i>Agrostis</i>	Blumeria graminicola
<i>Aira</i>	Blumeria graminis s. l.
<i>Ajuga</i>	Golovinomyces biocellatus HA nipple-shaped; A 2. Neoerysiphe galeopsidis HA strongly lobed; A (2-)3-6(-8).
<i>Akebia</i>	Erysiphe akebiae
<i>Alcea</i>	Leveillula contractirostris C 40-70µm, the primary ones pointed at apex. Neoerysiphe galeopsidis C 25-40(-45)µm, not pointed.
<i>Alchemilla</i>	Podosphaera aphanis var. aphanis
<i>Alkekengi (Physalis s. l.)</i>	Golovinomyces orontii FB absent; A 2-3(-4). Podosphaera xanthii FB present; A (6-)8.
<i>Alliaria</i>	Erysiphe cruciferarum

<i>Alnus</i>	Erysiphe penicillata C 28-42µm; CHA branched at apex, not swollen.
	Phyllactinia alnicola C 50-70µm; CHA entire, straight, swollen at base.
<i>Alopecurus</i>	Blumeria graminis s. l.
<i>Alyssum</i>	Erysiphe cruciferarum
<i>Amelanchier</i>	Phyllactinia mali FB absent; C 50-80µm; CHA entire, straight, swollen at base Podosphaera amelanchieris FB present; C 20-35 µm; CHA branched at apex, not swollen.
<i>Ammi</i>	Erysiphe heraclei
<i>Ammophila</i>	Blumeria graminis s. l.
<i>Ampelopsis</i>	Erysiphe necator var. necator
<i>Anchusa</i>	Erysiphe lycopsidis HA lobed; C formed singly; A (2-)3-4(-5). Golovinomyces cynoglossi HA nipple-shaped or obscure; C formed in chains; A mostly 2.
<i>Anemone</i>	Erysiphe aquilegiae var. ranunculi
<i>Anethum</i>	Erysiphe heraclei
<i>Angelica</i>	Erysiphe heraclei
<i>Anisantha</i>	Blumeria bulbiger
<i>Anthemis</i>	Golovinomyces macrocarpus
<i>Anthriscus</i>	Erysiphe heraclei
<i>Anthyllis</i>	Erysiphe trifoliorum
<i>Antirrhinum</i>	Golovinomyces orontii
<i>Anthoxanthum</i>	Blumeria dactylidis
<i>Apera</i>	Blumeria graminicola
<i>Aphanes</i>	Podosphaera aphanis var. aphanis
<i>Apium</i>	Erysiphe heraclei
<i>Aquilegia</i>	Erysiphe aquilegiae var. aquilegiae
<i>Arabidopsis</i>	Erysiphe cruciferarum
<i>Arabis</i>	Erysiphe cruciferarum FB absent; C length/width mostly >2, formed singly. Podosphaera drabae FB present; C length/width <2, formed in chains.
<i>Arctium</i>	Golovinomyces depressus FB absent; HA nipple-shaped. Leveillula lappae FB absent; HA lobed or coralloid. Podosphaera xanthii FB present; HA indistinct or nipple-shaped.
<i>Aremonia</i>	Podosphaera aphanis var. aphanis
<i>Arenaria</i>	Erysiphe buhrii
<i>Argemone</i>	Erysiphe cruciferarum
<i>Argyranthemum</i>	Golovinomyces macropus
<i>Armoracia</i>	Erysiphe cruciferarum
<i>Arnica</i>	Podosphaera erigerontis-canadensis CH 60-85µm diameter; CHA 0.5-3 × diameter of CH. Podosphaera xanthii CH (70-)80-110µm diameter; CHA 0.25-4 × diameter of CH.
<i>Arrhenatherum</i>	Blumeria graminis s. l.
<i>Artemisia</i>	Golovinomyces artemisiae
<i>Aruncus</i>	Podosphaera spiraeae
<i>Asclepias</i>	Erysiphe asclepiadis HA mostly lobed; C formed singly; CHA not swollen at base Golovinomyces orontii HA nipple-shaped or obscure; C formed in chains; CHA not swollen at base. Phyllactinia fraxini CHA swollen at base.
<i>Asperugo</i>	Golovinomyces cynoglossi
<i>Asperula</i>	Golovinomyces riedlianus

<i>Astragalus</i>	Erysiphe astragali FB absent; A (2-)3-5(-6). Podosphaera astragali FB present; A 8.
<i>Aubrieta</i>	Podosphaera drabae
<i>Aurinia</i>	Erysiphe cruciferarum
<i>Avena</i>	Blumeria avenae
<i>Avenula</i>	Blumeria graminis s. l.
<i>Ballota</i>	Neoerysiphe galeopsidis
<i>Baptisia</i>	Erysiphe baptisiae
<i>Barbarea</i>	Erysiphe cruciferarum
<i>Bartsia</i>	Podosphaera phtheirospermi
<i>Begonia</i>	Erysiphe begoniicola HA lobed or coralloid; C formed singly. Golovinomyces orontii HA nipple-shaped; C formed in chains.
<i>Bellis</i>	Golovinomyces asterum var. asterum CHA short and c. diameter of CH. Golovinomyces cichoracearum CHA variable in size from 0.5-4 × CH diameter.
<i>Berberis</i>	Erysiphe berberidis C c.20-50µm; CHA branched at apex, not swollen at base; A 3-5. Phyllactinia berberidis C (40-)50-80(-90)µm; CHA entire, straight, swollen at base; A 2(-3).
<i>Berteroa</i>	Erysiphe cruciferarum C formed singly. Golovinomyces orontii C formed in short chains.
<i>Berula</i>	Erysiphe heraclei
<i>Beta</i>	Erysiphe betae
<i>Betonica</i>	Golovinomyces biocellatus HA nipple-shaped, rarely slightly lobed; GT unlobed; A 2(-4). Neoerysiphe galeopsidis HA lobed; GT lobed; A(2-)3-6(-8).
<i>Betula</i>	Erysiphe ornata var. europaea C 30-40µm; CHA branched at apex, not swollen at base. Phyllactinia betulae C 60-90µm; CHA entire, straight, swollen at base.
<i>Bidens</i>	Podosphaera xanthii
<i>Biscutella</i>	Erysiphe cruciferarum
<i>Bistorta</i>	Erysiphe polygona
<i>Bixa</i>	Erysiphe quercicola
<i>Blackstonia</i>	Oidium sp.
<i>Borago</i>	Golovinomyces cynoglossi s. l.
<i>Brachypodium</i>	Blumeria graminis s. s.
<i>Brassica</i>	Erysiphe cruciferarum HA mostly lobed; C formed singly. Golovinomyces orontii HA unlobed or obscurely lobed; C formed in chains.
<i>Briza</i>	Blumeria graminis s. l.
<i>Bromopsis</i>	Blumeria graminis s. l.
<i>Bromus</i>	Blumeria bulbiger
<i>Brunnera</i>	Golovinomyces cynoglossi
<i>Bryonia</i>	Golovinomyces orontii
<i>Buglossoides</i>	Erysiphe lycopsidis C formed singly; A 3-4. Golovinomyces asperifolii C formed in chains; A mostly 2.
<i>Bunias</i>	Erysiphe cruciferarum
<i>Bunium</i>	Erysiphe heraclei
<i>Bupleurum</i>	Erysiphe heraclei
<i>Calamagrostis</i>	Blumeria graminis s. l.
<i>Calendula</i>	Golovinomyces cichoracearum s. l. FB absent; A 2. Podosphaera xanthii FB present; A (6-)8.

<i>Callistephus</i>	Golovinomyces cichoracearum s. l.
<i>Calluna</i>	Pseudoidium sp.
<i>Caltha</i>	Erysiphe aquilegiae var. aquilegiae
<i>Calycanthus</i>	Phyllactinia calycanthi
<i>Calystegia soldanella</i>	Erysiphe convolvuli var. convolvuli A 3-4.
<i>Calystegia</i> other spp	Erysiphe convolvuli var. calystegiae A 5-6.
<i>Camelina</i>	Erysiphe cruciferarum C formed singly. Golovinomyces orontii C formed in chains.
<i>Campanula</i>	Golovinomyces orontii
<i>Capsella</i>	Erysiphe cruciferarum FB absent; C formed singly. Golovinomyces orontii FB absent; C formed in chains. Podospaera drabae FB present.
<i>Caragana</i>	Erysiphe palczewskii
<i>Caralluma</i>	Golovinomyces orontii
<i>Cardamine</i>	Erysiphe cruciferarum C formed singly. Golovinomyces orontii C formed in chains.
<i>Carduus</i>	Golovinomyces montagnei HA nipple-shaped or crenulate; C 25-45µm, formed in chains. Leveillula lappae HA lobed to coralloid; C 35-65µm, formed singly.
<i>Carica</i>	Erysiphe caricae
<i>Carlina</i>	Golovinomyces montagnei
<i>Carpinus</i>	Erysiphe arcuata C 25-45µm; CHA entire, coiled at apex, not swollen; A (2-)5(-6). Erysiphe carpinicola C 20-30µm; CHA entire, coiled at apex, not swollen; A (4-)7-8. Phyllactinia carpini C 60-75µm; CHA entire, straight, swollen at base.
<i>Carthamus</i>	Golovinomyces montagnei
<i>Carum</i>	Erysiphe heraclei
<i>Castanea</i>	Erysiphe alphitoides C 25-40(-45)µm. Phyllactinia arboris C 50-65µm.
<i>Catabrosa</i>	Blumeria graminis s. l.
<i>Catalpa</i>	Erysiphe catalpae FB absent; C formed singly; CHA <20, entire or forked, 0.5-2 × diameter of CH. Erysiphe elevata FB absent: C formed singly; CHA <20, some branched, 1-6 × diameter of CH. Fibroidium hiratae FB present. Neoeysiphe galeopsidis C formed in chains; CHA >20, entire or forked, 0.5-2 × diameter.
<i>Catananche</i>	Golovinomyces cichoracearum A and ascospores mature in 1 st season. Neoeysiphe nevoi A always immature in 1 st season with no ascospores.
<i>Catapodium</i>	Blumeria graminis s. l.
<i>Caucalis</i>	Erysiphe heraclei
<i>Celosia</i>	Erysiphe celosiae
<i>Centaurea montana</i>	Golovinomyces depressus CP foot cells 80-190µm. Golovinomyces montagnei CP foot cells (25-)30-60(-80)µm.
<i>Centaurea</i> other spp.	Golovinomyces montagnei FB absent; A (2-)4. Podospaera xanthii FB present; A (6-)8.
<i>Centranthus</i>	Golovinomyces valerianae
<i>Cephalaria</i>	Erysiphe knautiae FB absent; A (2-)3-5. Podospaera dipsacacearum FB present; A (6-)8.
<i>Cephalotus</i>	Oidium sp.

<i>Cerastium</i>	<i>Erysiphe buhrii</i>
<i>Ceratochloe</i>	Blumeria graminis s. l.
<i>Cerinth</i>	Golovinomyces cynoglossi
<i>Chaerophyllum</i>	Erysiphe heraclei
<i>Chamaemelum</i>	Golovinomyces cf. macrocarpus FB absent; A (1-)2(-4). Podosphaera erigerontis-canadensis FB present; A 8.
<i>Chamaenerion</i>	Podosphaera epilobii
<i>Chelidonium</i>	Erysiphe macleayae
<i>Chionanthus</i>	Erysiphe syringae CHA branched at apex, not swollen at base. Phyllactinia fraxini s. l. CHA entire, straight, swollen at base.
<i>Chitalpa</i>	Erysiphe elevata C formed singly; CHA branched at apex. Neoerysiphe galeopsidis C formed in chains; CHA entire.
<i>Chrysanthemum</i>	Golovinomyces orontii CP foot cells often curved at base; C 25-40µm. Euoidium chrysanthemi CP foot cells straight; C 35-50(-80)µm.
<i>Cicerbita</i>	Golovinomyces cichoracearum
<i>Cichorium</i>	Golovinomyces cichoracearum
<i>Cicuta</i>	Erysiphe heraclei
<i>Circaea</i>	Erysiphe circaeae
<i>Cirsium</i>	Erysiphe mayori FB absent; HA lobed; A 5-8. Golovinomyces montagnei FB absent; HA nipple-shaped; A 2. Podosphaera xanthii FB present; HA indistinct or nipple-shaped; A (6-)8.
<i>Cistus</i>	Oidiopsis cisti
<i>Citrullus</i>	Golovinomyces cucurbitacearum FB absent; C formed in long chains; HA weakly nipple-shaped. Golovinomyces orontii FB absent; C formed in short chains, HA often strongly nipple-shaped. Podosphaera xanthii FB present.
<i>Clematis</i>	Erysiphe aquilegiae var. aquilegiae CHA (1-)3-12 × diameter of CH. Erysiphe aquilegiae var. ranunculi CHA 5-4 × diameter of CH.
<i>Cleome</i>	Erysiphe cruciferarum
<i>Clinopodium</i>	Golovinomyces biocellatus HA indistinct or nipple-shaped: A 2. Neoerysiphe galeopsidis HA lobed; A (2-)3-6(-8).
<i>Cnicus</i>	Golovinomyces montagnei
<i>Cochlearia</i>	<i>Erysiphe cruciferarum</i>
<i>Coincya</i>	Erysiphe cruciferarum
<i>Colutea</i>	Erysiphe palczewskii
<i>Comarum</i>	Podosphaera aphanis var. aphanis
<i>Conium</i>	Erysiphe heraclei
<i>Consolida</i>	Erysiphe aquilegiae var. ranunculi FB absent; A 3-5. Podosphaera delphinii FB present; A 6-8.
<i>Convolvulus</i>	Erysiphe convolvuli var. convolvuli
<i>Coreopsis</i>	Golovinomyces spadiceus FB absent; A 2. Podosphaera xanthii FB present; A (6-)8.
<i>Coriandrum</i>	<i>Erysiphe heraclei</i>
<i>Cornus</i>	Erysiphe pulchra C 20-45µm; CHA 1-2 × diameter of CH, branched at apex, not swollen; A 4-8. Erysiphe tortilis C 25-40µm; CHA 2-15 × diameter of CH, entire or forked, not swollen; A 3-5. Phyllactinia corni C 50-90µm; CHA entire, straight, swollen at base; A 2.
<i>Coronilla</i>	Erysiphe trifoliorum

<i>Corylus</i>	Erysiphe corylacearum Mycelium conspicuous on stems and both lower and upper leaf surfaces; CHA repeatedly branched at tips, base not swollen. Phyllactinia guttata Mycelium inapparent and mostly on underside of leaf; CHA unbranched, straight at tips and swollen at base.
<i>Cosmos</i>	Golovinomyces cichoracearum s. l. FB absent; A 2. Podosphaera xanthii FB present; A (6-)8.
<i>Cota</i>	Golovinomyces macrocarpus
<i>Cotinus</i>	Erysiphe cotini
<i>Cotula</i>	Golovinomyces macropus
<i>Cotyledon</i>	Pseudoidium kalanchoes
<i>Crambe</i>	Erysiphe cruciferarum
<i>Crassula</i>	Pseudoidium kalanchoes
<i>Crataegus</i>	Phyllactinia mali FB absent; C 50-80µm; CHA entire, straight, swollen at base. Podosphaera clandestina var. clandestina FB present; C 15-35µm; CHA branched at apex, not swollen.
<i>Crepis</i>	Golovinomyces cichoracearum FB absent; A 2. Podosphaera erigerontis-canadensis FB present; A 8.
<i>Cruciata</i>	Neoerysiphe galii
<i>Cucumis</i>	Golovinomyces cucurbitacearum FB absent; HA weakly nipple-shaped or lobed; C formed in long chains; A 2. Golovinomyces orontii FB absent HA strongly nipple-shaped; C formed in short chains; A 2-4. Podosphaera xanthii FB present; HA Indistinct or nipple-shaped C formed in long chains; A (6-)8.
<i>Cucurbita</i>	Golovinomyces cucurbitacearum FB absent; HA weakly nipple-shaped or lobed; C formed in long chains; A 2. Golovinomyces orontii FB absent; HA strongly nipple-shaped, often weakly; C formed in short chains; A 2-4. Podosphaera xanthii FB present; HA nipple-shaped, often weakly; C formed in long chains; A (6-)8.
<i>Cuminum</i>	Erysiphe heraclei
<i>Cuphea</i>	Fibroidium sp.
<i>Cyclamen</i>	Golovinomyces orontii mycelium on leaves; CP up to 180µm, of 2-4 cells. Pseudoidium cyclaminis mycelium on petals; CP <100µm, of (1-)2-3 cells.
<i>Cydonia</i>	Phyllactinia mali FB absent; C 50-80µm; CHA swollen at base. Podosphaera clandestina var. clandestina FB present; C <50µm; CHA not swollen at base, branched at apex; A not curved. Podosphaera clandestina var. cydoniae FB absent; C <50µm; CHA not swollen at base, branched at apex; A curved, bean-shaped. Podosphaera leucotricha FB absent; C <50µm; CHA not swollen at base, entire or sometimes forked; A not curved.
<i>Cymbalaria</i>	Golovinomyces orontii
<i>Cynara</i>	Golovinomyces montagnei HA nipple-shaped or crenulate; C 25-45µm, formed in chains. Leveillula lappae HA lobed to coralloid; C 35-65µm, formed singly.
<i>Cynoglossum</i>	Golovinomyces cynoglossi s.s.
<i>Cynosurus</i>	Blumeria graminis s. l.
<i>Cytisus</i>	Erysiphe trifoliorum
<i>Dactylis</i>	Blumeria dactylidis

<i>Dahlia</i>	Golovinomyces orontii FB absent; CP foot cells often curved; CH seldom formed. Golovinomyces spadiceus FB absent; CP foot cells straight; CH mostly well formed. Podosphaera erigerontis-canadensis FB present. Thinned area at top of ascus small, 8-15 µm in diam. Podosphaera xanthii FB present. Thinned area at top of ascus large, 15-25µm in diam.
<i>Danthonia</i>	Blumeria graminis s. l.
<i>Dasiphora</i>	Podosphaera aphanis var. aphanis
<i>Daucus</i>	Erysiphe heraclei
<i>Delphinium</i>	Podosphaera delphinii FB present; A 6-8. Erysiphe aquilegiae var. ranunculi FB absent; A 3-5.
<i>Deschampsia</i>	Blumeria sp.
<i>Descurainia</i>	Erysiphe cruciferarum
<i>Deutzia</i>	Erysiphe deutziae
<i>Dianthus</i>	Erysiphe buhrii
<i>Digitalis</i>	Golovinomyces orontii
<i>Digitaria</i>	Blumeria graminis s. l.
<i>Diplotaxis</i>	Erysiphe cruciferarum
<i>Dipsacus</i>	Erysiphe knautiae FB absent; A 3-5. Podosphaera dipsacacearum FB present; A (6-)8.
<i>Doronicum</i>	Podosphaera fusca
<i>Draba</i>	Erysiphe cruciferarum FB absent; C length/width mostly >2, formed singly. Podosphaera drabae FB present; C length/width <2, formed in chains.
<i>Dryas</i>	Podosphaera volkartii
<i>Dudleya</i>	Pseudoidium kalanchoes
<i>Dysphania</i>	Erysiphe betae
<i>Echeveria</i>	Pseudoidium
<i>Echinops</i>	Golovinomyces echinopis
<i>Echium</i>	Golovinomyces asperifolii HA nipple-shaped; C 20-40µm, not pointed. Leveillula taurica s. l. HA lobed or coralloid; C 50-80µm, the primary ones pointed at apex.
<i>Elymus</i>	Blumeria graminis s. s.
<i>Epilobium</i>	Podosphaera epilobii
<i>Erica</i>	Erysiphe azaleae C formed singly; A 4-6(-7). Golovinomyces orontii C formed in chains; A 2-3(-4).
<i>Erigeron</i>	Golovinomyces cichoracearum s. l. FB absent; A 2. Podosphaera erigerontis-canadensis FB present; A (6-)8.
<i>Erodium</i>	Erysiphe geraniacearum FB absent; HA lobed. Podosphaera erodii FB present; HA nipple-shaped, often weakly.
<i>Eruca</i>	Erysiphe cruciferarum HA mostly lobed; C formed singly. Golovinomyces orontii HA nipple-shaped, often weakly; C formed in chains.
<i>Erucastrum</i>	Erysiphe cruciferarum
<i>Ervilia</i>	Erysiphe baeumleri CHA often forked, 3-6 × diameter of CH. Erysiphe pisi var. pisii CHA rarely forked, 0.5-3 × diameter of CH.
<i>Ervum</i>	Erysiphe baeumleri CHA often forked, 3-6 × diameter of CH. Erysiphe pisi var. pisii CHA rarely forked, 0.5-3 × diameter of CH.
<i>Eryngium</i>	Erysiphe heraclei
<i>Erysimum</i>	Erysiphe cruciferarum C formed singly. Golovinomyces orontii C formed in short chains.

<i>Erythranthe</i>	Golovinomyces brunneopunctatus
<i>Eschscholzia</i>	Erysiphe cruciferarum
<i>Eucalyptus</i>	Golovinomyces orontii FB absent; A 2-3(-4). Podosphaera aphanis FB present; A (6-)8.
<i>Euonymus japonicus</i> , <i>E. fortunei</i> , <i>E. nanus</i>	Erysiphe euonymicola
<i>Euonymus</i> other species	Erysiphe euonymi
<i>Eupatorium</i>	Golovinomyces circumfusus
<i>Euphorbia</i>	Leveillula clavata FB absent; C 45-65µm. Fibroideum cyparissiae FB present; C 35-45µm. Podosphaera euphorbiae FB present; C 25-35µm. Pseudoidium poinsettiae FB absent; C 25-35µm.
<i>Euphrasia</i>	Podosphaera phtheirospermi
<i>Fagopyrum</i>	Erysiphe polygoni
<i>Fagus</i>	Erysiphe alphitoides C 25-45µm; CHA branched at apex, not swollen. Phyllactinia orbicularis C 60-80µm; CHA entire, swollen at base.
<i>Falcaria</i>	Erysiphe heraclei
<i>Fallopia</i>	Erysiphe polygoni
<i>Felicia</i>	Golovinomyces asterum var. asterum HA nipple-shaped, occasionally with a slightly crenulate surface. Golovinomyces cichoracearum HA nipple-shaped to slightly or moderately lobed.
<i>Festuca</i>	Blumeria graminis s. l.
<i>Filipendula</i>	Erysiphe ulmariae FB absent; shoots and leaves not distorted. Podosphaera filipendulae FB present; shoots and leaves usually distorted.
<i>Foeniculum</i>	Erysiphe heraclei
<i>Forsythia</i>	Podosphaera pannosa
<i>Fragaria</i>	Podosphaera aphanis var. aphanis
<i>Frangula</i>	Erysiphe divaricata
<i>Fraxinus</i>	Erysiphe salmonii Mycelium dense and white; CHA tips hooked, not swollen at base; A (4-) 6-8. Phyllactinia fraxini Mycelium inapparent; CHA tips straight and swollen at base; A 2.
<i>Fuchsia</i>	Erysiphe howeana
<i>Fumaria</i>	Erysiphe cruciferarum
<i>Gaillardia</i>	Leveillula lappae
<i>Galatella (Aster s. l.)</i>	Golovinomyces asterum var. morozkovskii
<i>Galega</i>	Erysiphe galegae CHA only brown at base and thick walled there; up to 3 septate. Erysiphe trifoliorum CHA pigmented in lower half; up to 6 septate.
<i>Galeopsis</i>	Neoerysiphe galeopsidis
<i>Galium</i>	Golovinomyces riedlianus HA nipple-shaped; A 2. Neoerysiphe galii HA mostly lobed; A 2-4.
<i>Gazania</i>	Leveillula lappae
<i>Genista</i>	Erysiphe trifoliorum CHA entire and some 1-2(-3) × forked. Erysiphe thermopsidis CHA entire and some 1-5 × forked or branched.
<i>Geranium</i>	Neoerysiphe geranii FB absent; HA usually lobed. Podosphaera fugax FB present; HA indistinct.
<i>Gerbera</i>	Golovinomyces cichoracearum s. l.
<i>Geum</i>	Podosphaera aphanis var. aphanis
<i>Glaucium</i>	Erysiphe cruciferarum

<i>Glebionis</i>	Golovinomyces macrocarpus
<i>Glechoma</i>	Golovinomyces biocellatus HA nipple-shaped, rarely slightly lobed; GT unlobed; A 2(-4).
	Neoerysiphe galeopsidis HA lobed; GT lobed; A (2-)3-6(-8).
<i>Glyceria</i>	<i>Blumeria graminis</i> s. l.
<i>Greyia</i>	Leveillula taurica s. l.
<i>Grindelia</i>	Golovinomyces cichoracearum CHA mostly longer than diam. of CH.
	Golovinomyces pseudosepultus CHA mostly shorter than diam. of CH.
<i>Gypsophila</i>	<i>Erysiphe buhrii</i>
<i>Hedera</i>	Golovinomyces orontii
<i>Helianthemum</i>	Golovinomyces orontii FB absent; C not pointed; HA nipple-shaped; A 2-4.
	Leveillula taurica s. l. FB absent; primary C pointed at apex; HA lobed or coralloid; A 2.
	Oidiopsis cisti FB absent; primary C pointed at apex; HA lobed or coralloid; CH not formed.
	Podosphaera helianthemi FB present; C not pointed; A (6-)8.
<i>Helianthus</i>	Golovinomyces latispora C length/width 1.3-1.6(-1.9); length of some GT up to 10× width of C; CH usually formed.
	Golovinomyces orontii C length/width c1.3-2.6; length of GT less than 3× width of C; CH seldom formed.
<i>Helichrysum</i>	<i>Euoidium helichrysi</i>
<i>Helictochloa</i>	<i>Blumeria graminis</i> s. l.
<i>Heliopsis</i>	Golovinomyces ambrosiae
<i>Helminthotheca</i>	Golovinomyces cichoracearum C 25-42µm, formed in chains.
	Leveillula picridis C 40-60µm, formed singly.
<i>Heracleum</i>	Erysiphe heraclei
<i>Hesperis</i>	Erysiphe cruciferarum
<i>Heuchera</i>	Podosphaera macrospora
<i>Hieracium</i>	Golovinomyces hieracearum FB absent; A 2-4.
	<i>Podosphaera erigerontis-canadensis</i> FB present; A (6-)8.
<i>Hippocrepis</i>	Erysiphe pisi var. pisii CHA rarely forked, 0.5-3 × diameter of CH; mycelium usually dense.
	Erysiphe trifoliorum CHA sometimes forked, 2-6 × diameter of CH; mycelium sparse, easily detachable.
<i>Hippophae</i>	<i>Phyllactinia hippophaes</i>
<i>Hippuris</i>	<i>Golovinomyces orontii</i>
<i>Hirschfeldia</i>	Erysiphe cruciferarum
<i>Holcus</i>	Blumeria graminicola
<i>Homogyne</i>	<i>Golovinomyces cichoracearum</i> s. l.
<i>Hordelymus</i>	Blumeria graminis s. l.
<i>Hordeum</i>	Blumeria dactylidis
<i>Humulus</i>	<i>Golovinomyces orontii</i> FB absent; A 2-3(-4).
	Podosphaera macularis FB present; A (2-)4-8.
<i>Hydrangea</i>	Golovinomyces orontii HA nipple-shaped.
	Pseudoidium hortensiae HA mostly lobed.
<i>Hylothelephium (Sedum s. l.)</i>	Erysiphe sedi HA lobed; C formed singly.
	Golovinomyces orontii HA nipple-shaped or obscure; C formed in chains.
<i>Hyoscyamus</i>	Golovinomyces hyoscyami
<i>Hypericum</i>	Erysiphe hyperici

<i>Hypochaeris</i>	Golovinomyces cichoracearum FB absent; A 2-4. Podosphaera erigerontis-canadensis FB present; A (6-)8.
<i>Hyssopus</i>	Golovinomyces biocellatus
<i>Iberis</i>	Erysiphe cruciferarum
<i>Impatiens</i>	Fibroidium balsaminae C 25-45 × 12-22µm; GT entire. Podosphaera balsaminae C 23-38 × 11-13(-19)µm; GT sometimes lobed. Podosphaera xanthii s. l. C 25-45 × 12-22µm; GT sometimes lobed.
<i>Inula</i>	Golovinomyces inulae
<i>Ipomoea</i>	Erysiphe convolvuli
<i>Isatis</i>	Erysiphe cruciferarum
<i>Ismelia</i>	Golovinomyces macrocarpus
<i>Isopyrum</i>	Erysiphe aquilegiae var. ranunculi
<i>Jacobaea</i>	Podosphaera senecionis FB present; A8. Golovinomyces fischeri FB absent; A 2.
<i>Juglans</i>	Erysiphe juglandis C <35µm; CHA laxly and widely branched at apex, not swollen at base. Erysiphe juglandis-nigrae C <35µm; CHA tightly branched at apex, not swollen at base. Phyllactinia juglandis C >35µm; CHA entire, swollen at base.
<i>Kalanchoe</i>	Pseudoidium kalanchoes
<i>Kalmia</i>	Erysiphe azaleae
<i>Koeleria</i>	Blumeria graminis s. l.
<i>Knautia</i>	Erysiphe knautiae FB absent; A 3-5. Podosphaera dipsacacearum FB present; A (6-)8.
<i>Laburnum</i>	Erysiphe guarinonii
<i>Lactuca</i>	Golovinomyces cichoracearum FB absent; A 2. Podosphaera xanthii FB present; A (6-)8.
<i>Lagerstroemia</i>	Erysiphe australiana
<i>Lamiastrum</i>	Golovinomyces orontii HA nipple-shaped; A 2-3(-4). Neoerysiphe galeopsidis HA lobed; A ((2-)3-6(-8)).
<i>Lamium</i>	Golovinomyces orontii HA nipple-shaped; A 2-3(-4). Neoerysiphe galeopsidis HA lobed; A ((2-)3-6(-8)).
<i>Lappula</i>	Golovinomyces cynoglossi
<i>Lapsana</i>	Golovinomyces cichoracearum FB absent; GT entire. Neoerysiphe nevoi FB absent; GT very short, lobed. Podosphaera erigerontis-canadensis FB present.
<i>Lathyrus</i>	Erysiphe pisi var. cruchetiana CHA often forked; 0.5-3 × diameter of CH. Erysiphe pisi var. pisi CHA rarely forked, 0.5-3 × diameter of CH; mycelium usually dense. Erysiphe trifoliorum CHA sometimes forked, 2-6 × diameter of CH; mycelium sparse, easily detachable.
<i>Laurus</i>	Pseudoidium lauracearum
<i>Legousia</i>	Golovinomyces orontii
<i>Lens</i>	Erysiphe pisi var. pisi CHA rarely forked, 0.5-3 × diameter of CH; mycelium usually dense. Erysiphe trifoliorum CHA sometimes forked, 2-6 × diameter of CH; mycelium sparse, easily detachable.
<i>Leontodon</i>	Golovinomyces cichoracearum FB absent; A 2-4. Podosphaera erigerontis-canadensis FB present; A (6-)8.
<i>Leonurus</i>	Neoerysiphe galeopsidis
<i>Lepidium</i>	Erysiphe cruciferarum

<i>Levisticum</i>	<i>Erysiphe heraclei</i>
<i>Leymus</i>	Blumeria graminis s. l.
<i>Ligusticum</i>	<i>Erysiphe heraclei</i>
<i>Ligustrum</i>	Erysiphe syringae C 24-38µm; CHA branched at apex, colourless or brownish at base; A (3-)4-7(-8). Erysiphe syringae-japonicae C 20-40µm; CHA branched at apex, brownish at least to middle; A 5-8. Phyllactinia fraxini C 45-100µm; CHA entire, straight, swollen at base; A 2-3(-4).
<i>Limnanthes</i>	<i>Golovinomyces orontii</i> HA nipple-shaped or obscure; C formed in chains. <i>Pseudoidium limnanthis</i> HA lobed; C formed singly.
<i>Limonium</i>	Erysiphe limonii
<i>Linaria</i>	Golovinomyces orontii
<i>Linum</i>	Golovinomyces orontii FB absent; A 2-3(-4). Podosphaera lini FB present; A 6-8.
<i>Lithospermum</i>	Golovinomyces cynoglossi
<i>Lobularia</i>	<i>Erysiphe cruciferarum</i>
<i>Lonicera</i>	Erysiphe hedwigii CHA less than 2 × diameter of CH, sometimes brownish at base. Erysiphe loniceræ var. loniceræ CHA 1-3 × diameter, brownish at base. <i>Erysiphe magnusii</i> CHA 2-10 × diameter, colourless or pigmented at base.
<i>Lolium</i>	Blumeria dactylidis
<i>Lotus</i>	<i>Erysiphe pisi</i> var. <i>pisii</i> CHA rarely forked, 0.5-3 × diameter of CH; mycelium usually dense. Erysiphe trifoliorum CHA sometimes forked, 2-6 × diameter of CH; mycelium sparse, easily detachable.
<i>Lunaria</i>	Erysiphe cruciferarum
<i>Lupinus</i>	Erysiphe intermedia CHA 2-6 × diameter of CH, equatorial. <i>Erysiphe pisi</i> var. <i>pisii</i> CHA (0.25-)0.5-5(-7) × diameter of CH, equatorial and in lower half.
<i>Lycium</i>	Arthrocladiella mougeotii
<i>Lycopsis (Anchusa s. l.)</i>	Erysiphe lycopsidis HA lobed; C formed singly; A (2-)3-4(-5). Golovinomyces cynoglossi s. l. HA nipple-shaped or obscure; C formed in chains; A mostly 2.
<i>Lycopus</i>	Erysiphe lycopsidis HA lobed; C formed singly; GT lobed or unlobed. Golovinomyces biocellatus s.s. HA nipple-shaped, rarely slightly lobed; C formed in chains; GT unlobed.
<i>Lycopus</i>	Neoerysiphe galeopsidis HA lobed; C formed in chains; GT lobed.
<i>Lythrum</i>	Erysiphe lythri
<i>Macleaya</i>	Erysiphe macleayae
<i>Magnolia</i>	Erysiphe magnifica
<i>× Mahoberberis neubertii</i>	Erysiphe berberidis var. berberidis
<i>Mahonia</i>	Erysiphe berberidis var. berberidis
<i>Malcolmia</i>	Erysiphe cruciferarum
<i>Malus</i>	<i>Phyllactinia mali</i> FB absent; C 50-80µm; CHA entire, straight, swollen at base. Podosphaera leucotricha FB present; C 20-30µm; CHA entire or forked at apex, not swollen.
<i>Malva</i>	Golovinomyces orontii C 25-40µm, not pointed. Leveillula contractirostris C 40-70µm, the primary ones pointed at apex.

<i>Marrubium</i>	Neerysiphe galeopsidis
<i>Matricaria</i>	Golovinomyces macrocarpus FB absent; CH usually formed; CHA 0.25-1(-2) × diameter of CH. Golovinomyces orontii FB absent; CH rarely formed; CHA 0.5-2 × diameter of CH. Podosphaera erigerontis-canadensis FB present; CH 60-85µm diameter; CHA 0.5 3× diameter. Podosphaera xanthii FB present; CH (70-)80-110µm diameter; CHA 0.25-4 × diameter of CH.
<i>Matthiola</i>	Erysiphe cruciferarum
<i>Meconopsis</i>	Erysiphe macleayae
<i>Medicago</i>	Erysiphe pisi var. pisi CHA rarely forked, 0.5-3 × diameter of CH; mycelium usually dense. Erysiphe trifoliorum CHA sometimes forked, 2-6 × diameter of CH; mycelium sparse, easily detachable.
<i>Medusagyne</i>	Podosphaera xanthii
<i>Melampyrum</i>	Golovinomyces orontii FB absent; A 2-3(-4). Podosphaera phtheirospermi FB present; A (6-)8.
<i>Melilotus</i>	Erysiphe pisi var. pisi CHA rarely forked, 0.5-3 × diameter of CH; mycelium usually dense. Erysiphe trifoliorum CHA sometimes forked, 2-6 × diameter of CH; mycelium sparse, easily detachable.
<i>Melissa</i>	Golovinomyces monardae HA nipple-shaped, rarely slightly lobed; GT unlobed; A 2(-4). Neerysiphe galeopsidis HA lobed; GT lobed; A (2-)3-6(-8).
<i>Melittis</i>	Neerysiphe galeopsidis
<i>Mentha</i>	Golovinomyces monardae
<i>Mertensia</i>	Golovinomyces cynoglossi
<i>Mespilus</i>	Phyllactinia mali FB absent; C 50-80µm; HA oblong to coralloid; CHA entire, straight, swollen at base. Podosphaera clandestina var. clandestina FB present; C <50µm; HA obscure or nipple-shaped; CHA branched at apex, not swollen.
<i>Mibora</i>	Blumeria graminis s. l.
<i>Milium</i>	Blumeria graminis s. s.
<i>Minuartia s. l.</i>	Erysiphe buhrii
<i>Misopates</i>	Golovinomyces orontii FB absent; A 2-3(-4). Podosphaera phtheirospermi FB present; A (6-)8.
<i>Molinia</i>	Blumeria graminis s. l.
<i>Monarda</i>	Golovinomyces monardae HA nipple-shaped, rarely slightly lobed; GT unlobed; A 2(-4). Neerysiphe galeopsidis HA lobed; GT unlobed; A (2-)3-6(-8).
<i>Mycelis</i>	Golovinomyces cichoracearum
<i>Myosotis</i>	Golovinomyces asperifolii
<i>Myrrhis</i>	Erysiphe heraclei
<i>Nepeta</i>	Golovinomyces biocellatus s. l. HA nipple-shaped, rarely slightly lobed; GT unlobed; A 2(-4). Neerysiphe galeopsidis HA lobed; GT unlobed; A (2-)3-6(-8).
<i>Nardus</i>	Blumeria graminis s. l.
<i>Neslia</i>	Erysiphe cruciferarum C formed singly; CH usually formed. Golovinomyces orontii C formed in short chains; CH rarely formed.
<i>Nicotiana</i>	Golovinomyces orontii

<i>Nigella</i>	<i>Erysiphe aquilegiae</i> var. <i>ranunculi</i>
<i>Nonea</i>	<i>Golovinomyces cynoglossi</i> s. l.
<i>Odontites</i>	<i>Podosphaera phtheirospermi</i>
<i>Oemleria</i>	<i>Phyllactinia mali</i>
<i>Oenanthe</i>	<i>Erysiphe heraclei</i> <i>Erysiphe howeana</i>
<i>Omphalodes</i>	<i>Golovinomyces cynoglossi</i>
<i>Onobrychis</i>	<i>Erysiphe pisi</i> var. <i>pisii</i> CHA rarely forked, 0.5-3 × diameter of CH; mycelium usually dense. <i>Erysiphe trifoliorum</i> CHA sometimes forked, 2-6 × diameter of CH; mycelium sparse, easily detachable.
<i>Ononis</i>	<i>Erysiphe pisi</i> var. <i>cruchetiana</i> CHA mostly forked, 0.5-3 × diameter of CH. <i>Erysiphe trifoliorum</i> CHA sometimes forked, 2-6 × diameter of CH.
<i>Onopordum</i>	<i>Golovinomyces depressus</i> FB absent; HA nipple-shaped; A 2(-4). <i>Podosphaera xanthii</i> FB present; HA indistinct or nipple-shaped; A (6-)8.
<i>Origanum</i>	<i>Golovinomyces monardae</i> HA nipple-shaped, rarely slightly lobed; GT unlobed; A 2(-4). <i>Neoerysiphe galeopsidis</i> HA lobed; GT lobed; A (2-)3-6(-8).
<i>Ostrya</i>	<i>Phyllactinia</i> sp.
<i>Oxalis</i>	<i>Erysiphe russellii</i> C 25-45µm, formed singly, not pointed. <i>Golovinomyces orontii</i> C 25-40µm, formed in short chains, not pointed. <i>Leveillula oxalidicola</i> C 35-70µm, formed singly, the primary ones pointed at apex.
<i>Pachysymbium</i>	<i>Leveillula taurica</i> s. l.
<i>Paeonia</i>	<i>Erysiphe hypophylla</i> C length/width 2.3-3.3; CHA branched at apex. <i>Erysiphe paeoniae</i> C length/width 1.7-2.5; CHA often forked.
<i>Papaver cambricum</i>	<i>Erysiphe macleayae</i>
<i>Papaver</i> other species	<i>Erysiphe cruciferarum</i> C formed singly. <i>Golovinomyces orontii</i> C formed in short chains.
<i>Parietaria</i>	<i>Oidiopsis parietariae</i> FB absent; primary C pointed at apex. <i>Podosphaera parietariae</i> FB present; C not pointed.
<i>Parthenocissus</i>	<i>Erysiphe necator</i> var. <i>necator</i> C 25-50µm; CHA entire, hooked at apex, not swollen at base. <i>Phyllactinia ampelopsidis</i> C 60-110µm; CHA entire, straight, swollen at base.
<i>Passiflora</i>	<i>Pseudoidium passiflorae</i>
<i>Pastinaca</i>	<i>Erysiphe heraclei</i>
<i>Patrinia</i>	<i>Golovinomyces valerianae</i>
<i>Pedicularis</i>	<i>Podosphaera phtheirospermi</i>
<i>Pedilanthus</i>	<i>Podosphaera euphorbiae-hirtae</i>
<i>Pelargonium</i>	<i>Fibroidium pelargonii</i>
<i>Penstemon</i>	<i>Golovinomyces orontii</i>
<i>Pentaglottis</i>	<i>Erysiphe lycopsidis</i> C formed singly; A 3-4. <i>Golovinomyces cynoglossi</i> C formed in chains; A mostly 2.
<i>Pericallis</i>	<i>Podosphaera pericallidis</i>
<i>Persicaria</i>	<i>Erysiphe polygoni</i>
<i>Petasites</i>	<i>Golovinomyces cichoracearum</i>
<i>Petrosedum</i>	<i>Erysiphe sedi</i>
<i>Petroselinum</i>	<i>Erysiphe heraclei</i>

<i>Petunia</i>	Golovinomyces longipes FB absent; CP 50-150(-180) μm , with 1-2 cells present above foot cells each 60-300 μm ; CH absent. Golovinomyces orontii FB absent; CP 165-300 μm , with 1-2 cells present above foot cells each usually 10-25 μm ; CH sometimes present; A 2-3 (-4). Podosphaera solanacearum FB present; CH abundant; A (6-)8.
<i>Peucedanum</i>	Erysiphe heraclei
<i>Phalaris</i>	Blumeria graminis s. l.
<i>Phaseolus</i>	Erysiphe pisi var. pisi
<i>Phedimus (Sedum s. l.)</i>	Erysiphe sedi HA lobed; C formed singly; CH usually formed. Golovinomyces orontii HA nipple-shaped or obscure; C formed in chains; CH seldom formed.
<i>Philadelphus</i>	Erysiphe deutziae HA lobed; CHA branched. Golovinomyces orontii HA nipple-shaped or obscure; CHA entire.
<i>Phleum</i>	Blumeria dactylidis
<i>Phlox</i>	Golovinomyces magnicellulatus var. magnicellulatus FB absent; A 2(-4). Podosphaera collomiae FB present; CH often densely aggregated; peridium cells small 8-25(-30) μm diam.; A (6-)8. Podosphaera xanthii FB present; CH rarely aggregated; peridium cells large (10-)15-55 μm diam; A (6-)8.
<i>Photinia</i>	Podosphaera leucotricha
<i>Phragmites</i>	Blumeria graminis s. l.
<i>Physocarpus</i>	Podosphaera physocarpi
<i>Physospermum</i>	Erysiphe heraclei
<i>Picris</i>	Golovinomyces cichoracearum HA nipple-shaped to slightly lobed; C 25-40 μm . Leveillula picridis HA lobed to coralloid; C (25-)40-60 μm .
<i>Pilosella</i>	Golovinomyces hieraciorum FB absent; A 2(-4). Podosphaera erigerontis-canadensis FB present; A (6-)8.
<i>Pimpinella</i>	Erysiphe heraclei
<i>Plantago</i>	Golovinomyces sordidus FB absent; A 2(-4). Podosphaera plantaginis FB present; A (6-)8.
<i>Platanus</i>	Erysiphe platani
<i>Plectranthus</i>	Golovinomyces biocellatus s. l. cf
<i>Poa</i>	Blumeria graminicola
<i>Polemonium</i>	Golovinomyces magnicellulatus var. magnicellulatus FB absent; A 2(-4). Podosphaera polemonii FB present; CHA (0.5-)3-6 \times diameter of CH; A 6-8. Podosphaera xanthii FB present; CHA 0.25-4 \times diameter of CH; A (6-)8.
<i>Polygonum</i>	Erysiphe polygoni
<i>Polypogon</i>	Blumeria graminicola
<i>Populus</i>	Erysiphe adunca C 25-40 μm ; CHA entire, hooked at apex. Phyllactinia populi C (40-)50-105 μm ; CHA entire, straight, swollen at base.
<i>Potentilla</i>	Podosphaera aphanis var. aphanis
<i>Poterium</i>	Podosphaera ferruginea var. ferruginea
<i>Primula obconica</i>	Fibroidium primulae-obconicae
<i>Prunella</i>	Golovinomyces biocellatus HA nipple-shaped, rarely slightly lobed; GT unlobed; A 2(-4). Neoerysiphe galeopsidis HA lobed; GT lobed; A (2-)3-6(-8).

<i>Prunus</i>	<p>Erysiphe prunastri (<i>Prunus cerasifera</i>, <i>P. domestica</i>, <i>P. mahaleb</i>, <i>P. padus</i>, <i>P. spinosa</i>) FB absent; C <50µm; CHA entire, coiled at apex, not swollen; A 4-8, mostly 5-7.</p> <p><i>Golovinomyces orontii</i> (<i>Prunus avium</i>, <i>P. domestica</i>) FB absent; C <50µm; CHA usually entire, sinuous, not coiled at apex, not swollen at base; A 2-3(-4).</p> <p>Phyllactinia mali (<i>Prunus avium</i>, <i>P. cerasus</i>, <i>P. spinosa</i>) FB absent; C 50-80µm; CHA entire, straight, swollen at base; A 2.</p> <p>Podosphaera ampla (<i>P. domestica</i>, <i>P. spinosa</i>) FB present; CHA branched at apex, not swollen at base; A (4-)6-8; asexual stage not described.</p> <p>Podosphaera pannosa (<i>P. domestica</i>, <i>P. dulcis</i>, <i>P. laurocerasus</i>, <i>P. lusitanica</i>, <i>P. persica</i>) FB present; C <50µm; CHA entire, sinuous, not swollen at base; A (4-)6-8.</p> <p>Podosphaera pruni-avium (<i>Prunus avium</i>) FB present; CHA 2-5, branched at apex, not swollen at base; A (4-)6-8; distinguishable from <i>P. tridactyla</i> s. str. only by sequencing.</p> <p>Podosphaera pruni-lusitanicae (<i>Prunus lusitanica</i>) FB present; C 22-32 µm; sexual stage unknown.</p> <p>Podosphaera tridactyla s. str. (<i>Prunus armeniaca</i>, <i>P. laurocerasus</i>, <i>P. padus</i>, <i>P. persica</i>) FB present; C <50µm; CHA 2-6, branched at apex, not swollen at base; A (4-)6-8; distinguishable from <i>P. pruni-avium</i> only by sequencing.</p>
<i>Pseudofumaria</i>	Erysiphe cruciferarum
<i>Pseudoturritis</i>	Erysiphe cruciferarum FB absent; C length/width mostly >2; A >10. Podosphaera drabae FB present; C length/width <2; A <10.
<i>Puccinellia</i>	<i>Blumeria graminicola</i>
<i>Pulicaria</i>	Golovinomyces inulae FB absent; CHA 0.25-2 × diameter; A 2. Podosphaera erigerontis-canadensis FB present; CH 60-85µm diameter; CHA 0.5-3 × diameter of CH; A (6-)8. Podosphaera xanthii FB present; CH 80-110µm diameter; CHA 0.25-4 × diameter of CH; A (6-)8.
<i>Pulmonaria</i>	Golovinomyces asperifoliorum
<i>Pulsatilla</i>	Erysiphe aquilegiae var. ranunculi
<i>Pyracantha</i>	Phyllactinia mali FB absent; C 50-80 µm; CHA entire, straight, swollen at base. Podosphaera clandestina FB present; C <50µm CHA entire or forked at apex, not swollen.
<i>Pyrus</i>	<i>Phyllactinia mali</i> FB absent; C 50-80 µm; CHA entire, straight, swollen at base. Podosphaera clandestina FB present; C <50µm; CHA branched at apex, not swollen. Podosphaera leucotricha FB present; C <50µm CHA entire, occasionally forked.
<i>Quercus</i>	Erysiphe alphitoides C 25-40(-45)µm, length/width 1.4-2.3; mycelium amphiphylous, dense, conspicuous; leaves often deformed. Erysiphe hypophylla C 30-45(-65)µm, length/width 2.3-3.3; mycelium hypophyllous, sparse, inconspicuous; leaves not deformed. <i>Erysiphe quercicola</i> C (80-)95-150µm, length/width 1.5-2.3; mycelium amphiphylous, forming persistent patches; with brown discolouration of the leaves. Phyllactinia roboris C 50-65µm; mycelium hypophyllous, sparse, inconspicuous.

<i>Ranunculus</i>	Erysiphe aquilegiae var. aquilegiae CHA (1-)3-12 × diameter of CH. Erysiphe aquilegiae var. ranunculi CHA 0.5-4 × diameter of CH.
<i>Raphanus</i>	Erysiphe cruciferarum C formed singly. Golovinomyces orontii C formed in chains.
<i>Rapistrum</i>	Erysiphe cruciferarum
<i>Reseda</i>	Erysiphe cruciferarum
<i>Reynoutria</i>	Erysiphe polygona
<i>Rhamnus</i>	Erysiphe friesii var. friesii
<i>Rhaponticum</i>	Golovinomyces montagnei
<i>Rheum</i>	Erysiphe polygona
<i>Rhinanthus</i>	Podosphaera phtheirospermi
<i>Rhododendron</i>	Erysiphe azaleae C (25-)30-45(-55)µm; CHA branched at apex, not swollen; A 4-6(-7). Phyllactinia enkianthi C 65-90µm ; CHA entire, straight, swollen at base; A (1-)2(-3).
<i>Rhoicissus</i>	Erysiphe necator var. necator
<i>Rhus</i>	Podosphaera cf. pruinosa
<i>Ribes</i>	Erysiphe grossulariae FB absent; C (20-)23-35µm; A 3-5(-6). Phyllactinia ribes FB absent ;C (4-)60-100µm; A 2. Podosphaera mors-uvae FB present; A (6-)8.
<i>Ricinus</i>	Golovinomyces orontii HA nipple-shaped or obscure; C 25-40µm, not pointed. Leveillula ricini HA lobed to coralloid; C 40-70µm, the primary ones pointed at apex.
<i>Robinia</i>	Erysiphe pseudacaceae CA 0 to occasionally 1-septate and pigmented at base only. Erysiphe robiniae var. robiniae CA 1-6-septate and well-pigmented in lower half.
<i>Roemeria</i>	Erysiphe cruciferarum C formed singly. Golovinomyces orontii C formed in short chains.
<i>Rorippa</i>	Erysiphe cruciferarum
<i>Rosa</i>	Podosphaera pannosa
<i>Rosmarinus</i>	Golovinomyces monardae HA nipple-shaped, rarely slightly lobed; GT unlobed; A 2(-4). Neoerysiphe galeopsidis HA lobed; GT lobed; A (2-)3-6(-8).
<i>Rosularia</i>	Pseudoidium kalanchoes
<i>Rubus</i>	Podosphaera aphanis var. aphanis
<i>Rudbeckia</i>	Golovinomyces ambrosiae
<i>Rumex</i>	Erysiphe polygona
<i>Salix</i>	Erysiphe adunca var. adunca C 25-40µm; CHA (0.75-)1-2 × diameter of CH, coiled at apex, not swollen at base. Erysiphe capreae C 25-35µm; CHA 0.3-1 × diameter of CH, coiled at apex, not swollen at base. Phyllactinia populi C (40-)50-100µm; CHA entire, straight, swollen at base.
<i>Salvia</i>	Golovinomyces biocellatus s. l. HA nipple-shaped, rarely slightly lobed; GT unlobed; A 2(-4). Golovinomyces neosalvii HA nipple-shaped; CP 140-400µm; GT subapical, lobed or unlobed; CH not found. Golovinomyces salviae HA nipple-shaped, rarely slightly lobed; CP 60-140µm; GT apical and unlobed; A 2. Neoerysiphe galeopsidis HA lobed; CP to 200 µm ; GT lobed; A (2-)3-6(-8).

<i>Sambucus</i>	Erysiphe vanbruntiana var. sambuci-racemosae
<i>Sanguisorba</i>	Podosphaera ferruginea var. ferruginea
<i>Sanvitalia</i>	Golovinomyces cichoracearum s. l. FB absent; A 2(-4). Podosphaera xanthii FB present; A (6-)8.
<i>Saponaria</i>	Erysiphe buhrii
<i>Saussurea</i>	Golovinomyces montagnei FB absent; A 2(-4). Podosphaera erigerontis-canadensis FB present; A (6-)8.
<i>Scabiosa</i>	Erysiphe knautiae FB absent; HA indistinct or nipple-shaped. Podosphaera dipsacacearum FB present; HA lobed.
<i>Scandix</i>	Erysiphe heraclei
<i>Schedonorus</i>	Blumeria graminis s. l.
<i>Scopolia</i>	Golovinomyces orontii
<i>Scorzonera</i>	Golovinomyces cichoracearum
<i>Scorzoneroides</i>	Golovinomyces cichoracearum FB absent; A 2(-4). Podosphaera erigerontis-canadensis FB present; A (6-)8.
<i>Scrophularia</i>	Podosphaera phtheirospermi
<i>Scutellaria</i>	Golovinomyces biocellatus
<i>Secale</i>	Blumeria graminis s. s.
<i>Securigera</i>	Erysiphe trifoliorum
<i>Sedum</i>	Erysiphe sedi
<i>Selinum</i>	Erysiphe heraclei
<i>Senecio</i>	Golovinomyces fischeri FB absent; A 2. Podosphaera senecionis FB present; A (6-)8. Erysiphe pisi var. pisi
<i>Senna</i>	Golovinomyces montagnei
<i>Serratula</i>	Erysiphe heraclei
<i>Seseli</i>	Blumeria graminis s. l.
<i>Sesleria</i>	Golovinomyces riedlianus
<i>Sherardia</i>	Podosphaera aphanis var. aphanis
<i>Sibbaldia</i>	Leveillula contractis
<i>Sidalcea</i>	Neoerysiphe galeopsidis
<i>Sideritis</i>	Erysiphe heraclei
<i>Silaum</i>	Erysiphe buhrii
<i>Silene</i>	Golovinomyces montagnei
<i>Silybum</i>	Erysiphe cruciferarum
<i>Sinapis</i>	Erysiphe cruciferarum
<i>Sisymbrium</i>	Erysiphe heraclei
<i>Sium</i>	Erysiphe heraclei
<i>Smyrniium</i>	Pseudoidium neolycopersici
<i>Solanum lycopersicum</i>	Golovinomyces orontii
<i>Solanum</i> other species	Golovinomyces cf. biocellatus
<i>Solenostemon</i>	Golovinomyces asterum var. solidaginis FB absent; A 2(-3). Podosphaera erigerontis-canadensis FB present; A (6-)8.
<i>Solidago</i>	Golovinomyces sonchicola FB absent; A 2. Podosphaera xanthii FB present; A (6-)8.
<i>Sonchus</i>	Erysiphe diffusa CHA richly branched at tips. Erysiphe pisi var. pisi CHA unbranched at tips.
<i>Sophora</i>	Erysiphe alphitoides s. l.
<i>Sorbaria</i>	Phyllactinia mali FB absent; C 50-80µm; CHA entire, straight, swollen at base.
<i>Sorbus</i>	Podosphaera aucupariae FB present; C<50µm; CHA branched at apex. Podosphaera niesslii FB present; C<50µm; CHA entire, flexuous.

<i>Spartium</i>	Erysiphe rayssii
<i>Spinacia</i>	Erysiphe betae
<i>Spiraea</i>	Podosphaera clandestina CHA branched at apex; mycelium sparse. Podosphaera spiraeae CHA simple; mycelium dense.
<i>Stachys</i>	Golovinomyces biocellatus HA nipple-shaped, rarely slightly lobed; GT unlobed; A 2(-4). Neoerysiphe galeopsidis HA lobed; GT lobed; A (2-)3-6(-8).
<i>Stanvaesia</i>	Podosphaera leucotricha
<i>Stellaria</i>	Erysiphe buhrii
<i>Streptocarpus</i>	Golovinomyces orontii
<i>Succisa</i>	Erysiphe knautiae
<i>Symphoricarpos</i>	Erysiphe symphoricarpae
<i>Symphotrichum (Aster s. l.)</i>	Golovinomyces asterum var. moroczkovskii FB absent; A (2-)3. Podosphaera xanthii FB present; A (6-)8.
<i>Symphytum</i>	Golovinomyces asperifoliorum
<i>Syringa</i>	Erysiphe syringae C 24-38µm; CH formed in late autumn, sparse; CHA branched at apex, not swollen; A (3-)4-7(-8). Erysiphe syringae-japonicae C (20-)25-35(-40)µm; CH formed mostly in summer, dense; CHA branched at apex, not swollen; A 5-8. Phyllactinia fraxini C 45-100µm; CHA entire, straight, swollen at base.
<i>Tagetes</i>	Neoerysiphe cumminsiana
<i>Tanacetum</i>	Golovinomyces macrocarpus FB absent; CP up to c.120µm; A (6-)8. Podosphaera xanthii FB present; A (6-)8.
<i>Taraxacum</i>	Golovinomyces cichoracearum FB absent; A 2. Podosphaera erigerontis-canadensis FB present; A (6-)8.
<i>Tarenaya</i>	Erysiphe cruciferarum
<i>Tellima</i>	Podosphaera macrospora
<i>Tephrosieris</i>	Golovinomyces fischeri FB absent; A 2. Podosphaera senecionis FB present; A (6-)8.
<i>Teucrium</i>	Golovinomyces biocellatus HA nipple-shaped, rarely slightly lobed; GT unlobed; A (2-)4. Neoerysiphe gleaopsidis HA lobed; GT lobed; A (2-)3-6(-8).
<i>Thalictrum</i>	Erysiphe aquilegiae var. ranunculi FB absent; A (2-)3-5(-6). Podosphaera thalictri FB present; A 8.
<i>Thermopsis</i>	Erysiphe thermopsidis
<i>Thesium</i>	Erysiphe thesii
<i>Thlaspi</i>	Erysiphe cruciferarum
<i>Thymus</i>	Golovinomyces monardae HA nipple-shaped, rarely slightly lobed; GT unlobed; A 2(-4). Neoerysiphe galeopsidis HA lobed; GT lobed; A (2-)3-6(-8).
<i>Tiarella</i>	Golovinomyces orontii FB absent; A 2-3(-4). Podosphaera macrospora FB present; A (6-)8.
<i>Tolmiea</i>	Podosphaera macrospora
<i>Tordylium</i>	Erysiphe heraclei
<i>Torilis</i>	Erysiphe heraclei
<i>Tragopogon</i>	Golovinomyces cichoracearum FB absent; A 2. Podosphaera xanthii FB present; A (6-)8.
<i>Tremastelma</i>	Erysiphe knautiae

<i>Trifolium</i>	Erysiphe pisi var. pisi CHA rarely forked, 0.5-3 × diameter of CH; mycelium usually dense. Erysiphe trifoliorum CHA sometimes forked, 2-6 × diameter of CH; mycelium sparse, easily detachable.
<i>Trigonella</i>	Erysiphe trifoliorum
<i>Trinia</i>	<i>Erysiphe heraclei</i>
<i>Tripleurospermum</i>	<i>Golovinomyces macrocarpus</i> FB absent; A (1-)-2(-4). Podosphaera erigerontis-canadensis FB present; A (6-)-8.
<i>Tripolium</i>	Golovinomyces asterum var. asterum CHA short and c.diameter of CH. Golovinomyces cichoracearum CHA variable in size from 0.5-4 × CH diameter.
<i>Trisetum</i>	<i>Blumeria graminis</i> s. l.
<i>Triticum</i>	Blumeria graminis s. s.
<i>Trollius</i>	<i>Erysiphe aquilegiae</i> var. <i>ranunculi</i> FB absent; CHA <10. Podosphaera delphinii FB present; CHA (4-)-10-50.
<i>Tuberaria</i>	Podosphaera helianthemi
<i>Turgenia</i>	<i>Erysiphe heraclei</i>
<i>Turritis</i>	<i>Erysiphe cruciferarum</i> HA mostly unlobed to moderately lobed. A 3-6(-8). <i>Leveillula taurica</i> HA nipple-shaped to coralloid. A 2.
<i>Tussilago</i>	Golovinomyces senecionis
<i>Ulex</i>	Oidium sp.
<i>Ulmus</i>	Erysiphe ulmi
<i>Urtica</i>	Erysiphe urticae HA lobed. <i>Golovinomyces orontii</i> HA nipple-shaped.
<i>Vaccinium</i>	Erysiphe elevata Mycelium white and more or less persistent; HA mostly lobed; A mostly 4-5. Only known on <i>V. macrocarpon</i> cv. Podosphaera myrtilina var. myrtilina Mycelium thin and evanescent; HA indistinct to nipple-shaped; A 8.
<i>Valeriana</i>	Golovinomyces orontii
<i>Valerianella</i>	Golovinomyces orontii
<i>Verbascum</i>	Golovinomyces verbasci HA nipple-shaped; C formed in chains. <i>Leveillula verbasci</i> HA lobed or coralloid; C formed singly.
<i>Verbena</i>	Golovinomyces orontii FB absent; CP not constricted and often curved at base; CH rarely formed; A 2-3(-4). Golovinomyces verbenae FB absent; CP slightly constricted and not curved at base; CH usually formed; A 2. Podosphaera xanthii FB present; A (6-)-8.
<i>Veronica</i>	Golovinomyces orontii FB absent; A 2-3(-4). Podosphaera fuliginea FB present; A 6-8.
<i>Viburnum lantana, opulus & sargentii</i>	Erysiphe viburni
<i>Viburnum tinus</i>	Erysiphe viburniphila .
<i>Vicia</i>	Erysiphe pisi var. pisi CHA rarely forked, 0.5-3 × diameter of CH. Erysiphe baeumleri CHA often forked, 3-6 × diameter of CH.
<i>Vinca</i>	Golovinomyces orontii HA nipple-shaped or obscure. Pseudoidium vincae HA lobed.
<i>Viola</i>	Golovinomyces orontii
<i>Visnaga</i>	<i>Erysiphe heraclei</i>
<i>Vitis</i>	Erysiphe necator var. necator
<i>Vulpia</i>	<i>Blumeria graminis</i> s. l.

Wisteria **Erysiphe alphitoides** A mostly 8; CHA richly branched at tips.
Erysiphe trifoliorum A mostly 3-5; CHA unbranched to sparsely branched at tips.

Xanthium Golovinomyces spadiceus FB absent; A 2(-3).
Podosphaera xanthii FB present; A (6-)8.

Xerochrysum Euoidium helichrysi

Zinnia **Golovinomyces spadiceus**

Census Catalogue of the Powdery Mildews of the Countries of Britain and the island of Ireland and the Vice-counties of Wales

The first table (p33) is arranged alphabetically by host name, the column next right displaying the fungus name recorded from that host plant. The second table (p74) is arranged alphabetically by fungus name with the host name to the right. The taxonomy of the host species where native or naturalized mostly follows Stace (2019). The names of plants confined to cultivation mostly follow those adopted by the Royal Horticultural Society's *Plantfinder* catalogue, whilst that of the fungi mostly follow Braun & Cook (2012) or Klenke & Scholler (2015). The third from the left column records the known distribution within the countries of mainland Britain and the island of Ireland and for Wales the Watsonian Vice-counties (Watson 1883). 'E' notes a record for England, 'I' for the island of Ireland, 'S' for Scotland and 'W' for Wales. An 'M' denotes a taxon only recorded from the Isle of Man. '/' means 'or', so 'E/S' is for England or Scotland. The Vice-counties of Wales are numbered as follows:

35	Monmouthshire	45	Pembrokeshire	50	Denbighshire
41	Glamorgan	46	Cardiganshire	51	Flintshire
42	Breconshire	47	Montgomeryshire	52	Anglesey
43	Radnorshire	48	Merionethshire		
44	Carmarthenshire	49	Caernarvonshire		

No attempt has been made to separate records out into date classes. Some of the records therefore go back over 100 years. Records have been extracted from many sources including the British Mycological Society's records database, CATE2 of the Fungus Conservation Trust and other local databases, web pages entitled *New Disease Reports* of the British Society for Plant Pathology (www.ndrs.org.uk/search.php) or have been supplied by trusted recorders. Of late the authors and others have accumulated a large number of new records. These records will, it is hoped eventually be incorporated into national databases as resources allow. Many records are backed up with herbarium specimens held by the recorders. Due to the stretched resources of all of our national institutions the fate of these many thousands of specimens has yet to be determined. We regret also not having the time or resources to record the presence of these fungi in the Vice-counties of England, Ireland and Scotland.

As it was often not possible to distinguish records made on hosts that were in cultivation as opposed to being naturalised or truly wild, we have not attempted to record that distinction. In consequence, some of the records below may seem unlikely given the wild distribution of the host. The records were made on plants in cultivation almost exclusively outdoors, possibly indicating the suitability of the local climate for the survival of the powdery mildew. Records of fungi and their hosts exclusively confined to the hothouse or indoors have not been included. Ing (1990-1991) provides a list of such species and their hosts.

Abbreviations Agg. = aggregate; cf = there is some uncertainty concerning the true identity but the specimen appears to be this taxon; cv. = cultivar (plural cvs.). The powdery mildew was recorded on a cultivated form of a plant, the cultivar name being unknown or lacking; f. = forma; *s. l.* = *sensu lato* (in the broad sense); *s. s.* = *sensu stricto* (in the strict or narrow sense); sp. = species (plural spp.); ssp. = subspecies; var. = variety

Host	Powdery Mildew	Distribution
<i>Acaena magellanica</i>	<i>Podosphaera aphanis</i> var. <i>aphanis</i>	E
<i>Acanthus mollis</i>	<i>Golovinomyces orontii</i>	E, S
	<i>Neoerysiphe galeopsidis</i>	E, W (35, 42-44, 46, 47, 49, 50, 52)
<i>Acanthus</i> sp.	<i>Neoerysiphe galeopsidis</i>	W (41)
<i>Acanthus spinosus</i>	<i>Golovinomyces orontii</i>	E, W (42)
	<i>Neoerysiphe galeopsidis</i>	E, W (46)
<i>Acer campestre</i>	<i>Phyllactinia marissalii</i>	W (43, 46, 47, 50)
	<i>Sawadaea bicornis</i>	E, S, W (35, 41-44, 46-49, 52)
<i>Acer campestre</i> ssp. <i>campestre</i> var. <i>campestre</i>	<i>Sawadaea bicornis</i>	W (42, 43)
<i>Acer campestre</i> ssp. <i>campestre</i> var. <i>oxytomum</i>	<i>Sawadaea bicornis</i>	W (43, 46)
<i>Acer campestre</i> ssp. <i>leiocarpum</i>	<i>Sawadaea bicornis</i>	W (42-44, 46)
<i>Acer japonicum</i> cv.	<i>Sawadaea bicornis</i>	S
<i>Acer macrophyllum</i>	<i>Sawadaea tulasnei</i>	E
<i>Acer negundo</i>	<i>Sawadaea bicornis</i>	E, W (44, 46)
	<i>Sawadaea tulasnei</i>	E
<i>Acer negundo</i> 'Fleming'	<i>Sawadaea tulasnei</i>	W (44)
<i>Acer palmatum</i> agg.	<i>Sawadaea tulasnei</i>	E, S
<i>Acer platanoides</i>	<i>Phyllactinia marissalii</i>	W (46, 47)
	<i>Sawadaea bicornis</i>	E, S, W (41, 44, 46, 47)
	<i>Sawadaea tulasnei</i>	E, I, S, W (42, 46, 47)
<i>Acer platanoides</i> 'Goldsworth Purple'	<i>Sawadaea tulasnei</i>	S, W (46)
<i>Acer platanoides</i> 'Schwedleri'	<i>Sawadaea tulasnei</i>	E
<i>Acer pseudoplatanus</i>	<i>Phyllactinia marissalii</i>	E, W (46, 50)
	<i>Sawadaea bicornis</i>	E, I, S, W (35, 41-52)
<i>Acer pseudoplatanus</i> 'Leopoldii'	<i>Sawadaea bicornis</i>	E
<i>Acer saccharinum</i>	<i>Sawadaea bicornis</i>	E
<i>Acer saccharum</i>	<i>Sawadaea bicornis</i>	E
<i>Acer</i> sp.	<i>Phyllactinia marissalii</i>	S
<i>Acer tataricum</i>	<i>Sawadaea bicornis</i>	E
<i>Achillea ligustica</i>	<i>Golovinomyces macrocarpus</i>	B
<i>Achillea millefolium</i>	<i>Golovinomyces macrocarpus</i>	E, W (44, 47, 49, 51)
<i>Achillea ptarmica</i>	<i>Golovinomyces macrocarpus</i>	E
<i>Aconitum firmum</i>	<i>Erysiphe aquilegiae</i> var. <i>ranunculi</i>	E
<i>Aconitum napellus</i>	<i>Erysiphe aquilegiae</i> var. <i>ranunculi</i>	E, S, W (46, 48)
<i>Aegopodium podagraria</i>	<i>Erysiphe heraclei</i>	E, I, S
<i>Aesculus californica</i>	<i>Erysiphe flexuosa</i>	E
<i>Aesculus carnea</i>	<i>Erysiphe flexuosa</i>	E, W (42, 43, 46)
<i>Aesculus carnea</i> 'Briotii'	<i>Erysiphe flexuosa</i>	W (46)
<i>Aesculus</i> 'Dallimorei'	<i>Erysiphe flexuosa</i>	E
<i>Aesculus hippocastanum</i>	<i>Erysiphe flexuosa</i>	E, I, W (41-43, 46, 49-51)
<i>Aesculus hippocastanum</i> 'Baumannii'	<i>Erysiphe flexuosa</i>	I
<i>Aesculus</i> × <i>mutabilis</i>	<i>Erysiphe flexuosa</i>	E
<i>Aesculus</i> × <i>plantierensis</i>	<i>Erysiphe flexuosa</i>	W (46)

<i>Aesculus</i> sp.	<i>Erysiphe flexuosa</i>	E, I, S, W (35, 41-52)
<i>Aethusa cynapium</i>	<i>Erysiphe heraclei</i>	E, W (44)
<i>Agrimonia eupatoria</i>	<i>Podosphaera aphanis</i> var. <i>aphanis</i>	E
<i>Agrostis capillaris</i>	<i>Blumeria graminicola</i>	W (41, 44)
<i>Agrostis</i> sp.	<i>Blumeria graminicola</i>	E, W (42)
<i>Agrostis stolonifera</i>	<i>Blumeria graminicola</i>	B
<i>Ajuga genevensis</i>	<i>Golovinomyces biocellatus</i> s. l.	B
<i>Ajuga reptans</i>	<i>Golovinomyces biocellatus</i> s. l.	E, S
<i>Ajuga reptans</i>	<i>Neoerysiphe galeopsidis</i>	E, W (49)
<i>Ajuga reptans</i> 'Bronze Bugle'	<i>Neoerysiphe galeopsidis</i>	E
<i>Ajuga reptans</i> 'Burgundy Glow'	<i>Neoerysiphe galeopsidis</i>	E
<i>Akebia quinata</i>	<i>Erysiphe akebiae</i>	E, W (48)
<i>Akebia trifoliata</i>	<i>Erysiphe akebiae</i>	W (48)
<i>Alcea rosea</i>	<i>Neoerysiphe galeopsidis</i>	B
<i>Alcea</i> sp.	<i>Leveillula contractirostris</i>	B
<i>Alchemilla alpina</i>	<i>Podosphaera aphanis</i> var. <i>aphanis</i>	S
<i>Alchemilla conjuncta</i>	<i>Podosphaera aphanis</i> var. <i>aphanis</i>	E
<i>Alchemilla erythropoda</i>	<i>Podosphaera aphanis</i> var. <i>aphanis</i>	B
<i>Alchemilla filicaulis</i> ssp. <i>vestita</i>	<i>Podosphaera aphanis</i> var. <i>aphanis</i>	E, S, W (41)
<i>Alchemilla glabra</i>	<i>Podosphaera aphanis</i> var. <i>aphanis</i>	E, S, W (46, 48, 49, 52)
<i>Alchemilla mollis</i>	<i>Podosphaera aphanis</i> var. <i>aphanis</i>	E, S, W (50, 52)
<i>Alchemilla murbeckiana</i>	<i>Podosphaera aphanis</i> var. <i>aphanis</i>	B
<i>Alchemilla</i> sp.	<i>Podosphaera aphanis</i> var. <i>aphanis</i>	S
<i>Alchemilla vulgaris</i>	<i>Podosphaera aphanis</i> var. <i>aphanis</i>	E
<i>Alchemilla xanthochlora</i>	<i>Podosphaera aphanis</i> var. <i>aphanis</i>	E, S
<i>Alkekengi officinarum</i>	<i>Podosphaera xanthii</i>	E
<i>Alliaria petiolata</i>	<i>Erysiphe cruciferarum</i>	E, S, W (35, 42-44, 46, 47, 49-51)
<i>Alnus glutinosa</i>	<i>Erysiphe penicillata</i>	E, I, S, W (42, 44-46, 49-52)
	<i>Phyllactinia alnicola</i>	E, I, S, W (41, 44)
<i>Alnus incana</i>	<i>Erysiphe penicillata</i>	E, W (44, 46, 47)
<i>Alnus rubra</i>	<i>Erysiphe penicillata</i>	E
<i>Alnus</i> sp.	<i>Phyllactinia alnicola</i>	S
<i>Alnus viridis</i>	<i>Erysiphe penicillata</i>	E
<i>Alopecurus geniculatus</i>	<i>Blumeria graminis</i> s. l.	B
<i>Alopecurus myosuroides</i>	<i>Blumeria graminis</i> s. l.	E
<i>Alopecurus pratensis</i>	<i>Blumeria graminis</i> s. l.	E
<i>Alyssum</i> sp.	<i>Erysiphe cruciferarum</i>	E
<i>Amelanchier lamarckii</i>	<i>Podosphaera amelanchieris</i>	E, I, S, W (41-44, 46, 48-51)
<i>Ammi majus</i>	<i>Erysiphe heraclei</i>	E
<i>Ammophila arenaria</i>	<i>Blumeria graminis</i> s. l.	E
<i>Ampelopsis glandulosa</i> var. <i>brevipedunculata</i>	<i>Erysiphe necator</i> var. <i>necator</i>	B
<i>Anchusa azurea</i>	<i>Erysiphe lycopsidis</i>	B
<i>Anchusa officinalis</i>	<i>Erysiphe lycopsidis</i>	E
<i>Anchusa</i> sp.	<i>Erysiphe lycopsidis</i>	S
<i>Anemone coronaria</i>	<i>Erysiphe aquilegiae</i> var. <i>ranunculi</i>	E
<i>Anemone</i> × <i>hybrida</i>	<i>Erysiphe aquilegiae</i> var. <i>ranunculi</i>	E
<i>Anemone</i> × <i>hybrida</i> 'Elegans'	<i>Erysiphe aquilegiae</i> var. <i>ranunculi</i>	S

Anemone sp.	Erysiphe aquilegiae var. ranunculi	E
Angelica sylvestris	Erysiphe heraclei	E, I, S, W (35, 41, 43, 44, 46, 47, 49, 51, 52)
Anisantha sterilis	Blumeria bulbigerana	I, W (44, 46, 47, 49)
Anthemis sp.	Golovinomyces macrocarpus	E
Anthoxanthum odoratum	Blumeria dactylidis	I, S, W (35, 44, 46)
Anthriscus caucalis	Erysiphe heraclei	E, I
Anthriscus cerefolium	Erysiphe heraclei	E
Anthriscus sylvestris	Erysiphe heraclei	E, I, S, W (35, 42-47, 49, 50, 52)
Anthyllis vulneraria	Erysiphe trifoliorum	W (41)
Antirrhinum majus	Golovinomyces orontii	E, I, S, W (43, 46, 49)
Aphanes arvensis	Podosphaera aphanis var. aphanis	E
Aphanes australis	Podosphaera aphanis var. aphanis	I, W (46)
Apium graveolens	Erysiphe heraclei	B
Aquilegia caerulea	Erysiphe aquilegiae var. aquilegiae	E
Aquilegia chrysantha 'Yellow Queen'	Erysiphe aquilegiae var. aquilegiae	W (50)
Aquilegia pyrenaica	Erysiphe aquilegiae var. aquilegiae	B
Aquilegia vulgaris	Erysiphe aquilegiae var. aquilegiae	E, I, S, W (35, 42-44, 46-49, 52)
Arctium lappa	Golovinomyces depressus	E, I, W (35, 42-44, 49, 52)
Arctium minus	Golovinomyces depressus	E, I, S, W (35, 41-43, 46, 50)
Arctium minus ssp. minus	Golovinomyces depressus	E
Arctium minus ssp. pubens	Golovinomyces depressus	W (46)
Arctium nemorosum	Golovinomyces depressus	E, I
Arctium sp.	Golovinomyces depressus	E, I, S, W (35, 43, 50, 52)
Argemone platyceras	Erysiphe cruciferarum	E
Argyranthemum pinnatifidum ssp. pinnatifidum	Golovinomyces macrocarpus	B
Armoracia rusticana	Erysiphe cruciferarum	E
Arrhenatherum elatius	Blumeria graminis s. l.	E, S, W (41)
Arrhenatherum elatius var. bulbosum	Blumeria graminis s. l.	W (44, 46)
Arrhenatherum elatius var. elatius	Blumeria graminis s. l.	W (46)
Artemisia abrotanum	Golovinomyces artemisiae	B
Artemisia absinthium	Golovinomyces artemisiae	E, S
Artemisia campestris	Golovinomyces artemisiae	B
Artemisia sp.	Golovinomyces artemisiae	E, S, W (48, 49, 52)
Artemisia verlotiorum	Golovinomyces artemisiae	B
Artemisia vulgaris	Golovinomyces artemisiae	E, I, S, W (35, 42-46, 49, 50, 52)
Asperugo procumbens	Golovinomyces cynoglossi s. l.	B
Asperula sp. cv.	Golovinomyces riedlianus	E
Astragalus glycyphyllos	Erysiphe astragali	E, S
Astragalus sp.	Erysiphe astragali	S
Aurinaria saxatilis	Erysiphe cruciferarum	E
Avena fatua	Blumeria avenae	B
Avena sativa	Blumeria avenae	E, I, S, W (43, 46, 49)
Avena sativa 'Blenda'	Blumeria avenae	E
Avena sativa 'Condor'	Blumeria avenae	E
Avena sativa 'Maris Beacon'	Blumeria avenae	E

<i>Avena sativa</i> 'Maris Osprey'	<i>Blumeria avenae</i>	E
<i>Avena sativa</i> 'Maris Quest'	<i>Blumeria avenae</i>	E
<i>Avena sativa</i> 'Maris Ranger'	<i>Blumeria avenae</i>	E
<i>Avena sativa</i> 'Penarth'	<i>Blumeria avenae</i>	E
<i>Avena sterilis</i> ssp. <i>ludoviciana</i>	<i>Blumeria avenae</i>	W (46)
<i>Avena strigosa</i>	<i>Blumeria avenae</i>	S
<i>Ballota nigra</i>	<i>Neoerysiphe galeopsidis</i>	E, W (41, 46)
<i>Baptisia alba</i> × <i>australis</i>	<i>Golovinomyces cichoracearum</i>	E
<i>Baptisia australis</i>	<i>Erysiphe baptisiae</i>	E
<i>Barbarea vulgaris</i>	<i>Erysiphe cruciferarum</i>	B
<i>Bartsia alpina</i>	<i>Podosphaera phtheirospermi</i>	B
<i>Begonia minor</i> agg.	<i>Golovinomyces orontii</i>	S
<i>Begonia nitida</i>	<i>Erysiphe begoniicola</i>	S
<i>Begonia rex</i>	<i>Erysiphe begoniicola</i>	W (51)
<i>Begonia rex</i> 'Gloire de Lorraine'	<i>Erysiphe begoniicola</i>	W (51)
<i>Begonia</i> 'Semperflorens'	<i>Erysiphe begoniicola</i>	W (46)
<i>Begonia</i> sp.	<i>Golovinomyces orontii</i>	E
	<i>Erysiphe begoniicola</i>	E, S, W (41, 51)
<i>Begonia sutherlandii</i>	<i>Erysiphe begoniicola</i>	S
	<i>Golovinomyces orontii</i>	S
<i>Begonia</i> × <i>tuberhybrida</i>	<i>Erysiphe begoniicola</i>	W (51)
<i>Bellis perennis</i>	<i>Golovinomyces asterum</i> var. asterum	E, W (44-46, 49)
<i>Berberis aggregata</i>	<i>Erysiphe berberidis</i> var. <i>berberidis</i>	E
<i>Berberis amurensis</i>	<i>Erysiphe berberidis</i> var. <i>berberidis</i>	B
<i>Berberis</i> × <i>bidentata</i>	<i>Erysiphe berberidis</i> var. <i>berberidis</i>	B
<i>Berberis boissieri</i>	<i>Erysiphe berberidis</i> var. <i>berberidis</i>	B
<i>Berberis canadensis</i>	<i>Erysiphe berberidis</i> var. <i>berberidis</i>	B
<i>Berberis chinensis</i>	<i>Erysiphe berberidis</i> var. <i>berberidis</i>	B
<i>Berberis circumserrata</i>	<i>Erysiphe berberidis</i> var. <i>berberidis</i>	B
<i>Berberis</i> × <i>declinata</i>	<i>Erysiphe berberidis</i> var. <i>berberidis</i>	
<i>Berberis diaphana</i>	<i>Erysiphe berberidis</i> var. <i>berberidis</i>	B
<i>Berberis dictyophyllum</i>	<i>Erysiphe berberidis</i> var. <i>berberidis</i>	B
<i>Berberis empetrifolia</i>	<i>Erysiphe berberidis</i> var. <i>berberidis</i>	B
<i>Berberis gagnepanii</i>	<i>Erysiphe berberidis</i> var. <i>berberidis</i>	B
<i>Berberis holstii</i>	<i>Erysiphe berberidis</i> var. <i>berberidis</i>	B
<i>Berberis hookeri</i>	<i>Erysiphe berberidis</i> var. <i>berberidis</i>	S
<i>Berberis humido-umbrosa</i>	<i>Erysiphe berberidis</i> var. <i>berberidis</i>	B
<i>Berberis jaeschkeana</i>	<i>Erysiphe berberidis</i> var. <i>berberidis</i>	B
<i>Berberis jamesiana</i>	<i>Erysiphe berberidis</i> var. <i>berberidis</i>	B
<i>Berberis lepidifolia</i>	<i>Erysiphe berberidis</i> var. <i>berberidis</i>	B
<i>Berberis ludlowii</i>	<i>Erysiphe berberidis</i> var. <i>berberidis</i>	B
<i>Berberis morrisonensis</i>	<i>Erysiphe berberidis</i> var. <i>berberidis</i>	B
<i>Berberis</i> × <i>ottawensis</i>	<i>Erysiphe berberidis</i> var. <i>berberidis</i>	E, W (46)
<i>Berberis parviflora</i>	<i>Erysiphe berberidis</i> var. <i>berberidis</i>	B
<i>Berberis pinnata</i>	<i>Erysiphe berberidis</i> var. <i>berberidis</i>	E
<i>Berberis polyantha</i>	<i>Erysiphe berberidis</i> var. <i>berberidis</i>	E
<i>Berberis pruinosa</i>	<i>Erysiphe berberidis</i> var. <i>berberidis</i>	B

Berberis repens	Erysiphe berberidis var. berberidis	B
Berberis sargentiana	Erysiphe berberidis var. berberidis	B
Berberis silva-taroucana	Erysiphe berberidis var. berberidis	B
Berberis sp.	Erysiphe berberidis var. berberidis	E
Berberis suberecta	Erysiphe berberidis var. berberidis	B
Berberis thunbergii f. atropurpurea	Erysiphe berberidis var. berberidis	E, I, S, W (41-44, 46, 47, 49)
Berberis tsarongensis	Erysiphe berberidis var. berberidis	B
Berberis umbellata	Erysiphe berberidis var. berberidis	B
Berberis vernae	Erysiphe berberidis var. berberidis	B
Berberis vulgaris	Erysiphe berberidis var. berberidis	E, I, S, W (42, 43, 46)
	Phyllactinia berberidis	E
Berberis wilsoniae	Erysiphe berberidis var. berberidis	B
Berula erecta	Erysiphe heraclei	E
Beta sp.	Erysiphe betae	I, W (41, 49-51)
Beta trigyna	Erysiphe betae	B
Beta vulgaris cvs.	Erysiphe betae	E
Beta vulgaris ssp. cicla var. cicla	Erysiphe betae	E, W (49)
Beta vulgaris ssp. maritima	Erysiphe betae	E, I, W (44-46, 49-52)
Beta vulgaris ssp. vulgaris	Erysiphe betae	E, S
Beta vulgaris ssp. vulgaris var. rapacea 'Boltardy'	Erysiphe betae	E
Beta vulgaris ssp. vulgaris var. rapacea 'Tonda di Chioggia'	Erysiphe betae	E
Betonica officinalis	Golovinomyces biocellatus s. l.	E
	Neoerysiphe galeopsidis	E, W (42, 46, 49)
Betula ermanii	Phyllactinia betulae	E
Betula kamtschatica	Phyllactinia betulae	W (46)
Betula litwinowii	Phyllactinia betulae	E
Betula pendula	Erysiphe ornata var. europaea	E, I, S, W (43, 46)
	Phyllactinia betulae	E, I, S, W (41, 46, 48, 49)
Betula pubescens	Erysiphe ornata var. europaea	E, S, W (43, 46, 49)
	Phyllactinia betulae	E, S, W (46, 49)
Betula pubescens ssp. celtiberica	Erysiphe ornata var. europaea	W (42, 43, 48)
	Phyllactinia betulae	W (42, 43, 46-48)
Betula pubescens ssp. pubescens	Erysiphe ornata var. europaea	E, S, W (43, 44, 46)
	Phyllactinia betulae	E, W (43, 46)
Betula sp.	Phyllactinia betulae	E, S
Betula utilis ssp. jacquemontii	Phyllactinia betulae	E, W (42, 46, 47)
Bidens cernua	Podosphaera xanthii	E
Bidens tripartita	Podosphaera xanthii	E
Bixa sp.	Erysiphe quercicola	E
Borago officinalis	Golovinomyces cynoglossi s. l.	E, I, W (43, 45-49)
Brachypodium sylvaticum	Blumeria graminis s. s.	E, W (44)
Brassica juncea	Erysiphe cruciferarum	E
Brassica napus	Erysiphe cruciferarum	E, S
Brassica napus ssp. oleifera	Erysiphe cruciferarum	E, W (43)
Brassica napus ssp. rapifera	Erysiphe cruciferarum	E
Brassica napus var. napobrassica	Erysiphe cruciferarum	S

Brassica nigra	Erysiphe cruciferarum	E, W (46, 49, 52)
Brassica oleracea cv.	Erysiphe cruciferarum	W (46, 48)
Brassica oleracea var. acephala	Erysiphe cruciferarum	S
Brassica oleracea var. acephala 'Russian Red'	Erysiphe cruciferarum	W (48)
Brassica oleracea var. botrytis	Erysiphe cruciferarum	S
Brassica oleracea var. capitata	Erysiphe cruciferarum	S
Brassica oleracea var. gemmifera	Erysiphe cruciferarum	E, S, W (46)
Brassica rapa ssp. campestris	Erysiphe cruciferarum	S, W (49)
Brassica rapa ssp. rapa	Erysiphe cruciferarum	E, W (49)
Brassica rapa var. chinensis	Erysiphe cruciferarum	W (43)
Briza media	Blumeria graminis s. l.	B
Bromopsis erecta	Blumeria graminis s. l.	B
Bromopsis erecta ssp. condensata	Blumeria graminis s. l.	B
Bromus adoensis	Blumeria bulbiger	B
Bromus briziformis	Blumeria bulbiger	B
Bromus fibrosus	Blumeria bulbiger	B
Bromus hordeaceus	Blumeria bulbiger	E, I, S, W (35, 43, 44, 46, 51)
Bromus interruptus	Blumeria bulbiger	B
Bromus japonicus	Blumeria bulbiger	B
Bromus kalmii	Blumeria bulbiger	B
Bromus racemosus	Blumeria bulbiger	E, W (35, 43)
Bromus sp.	Blumeria bulbiger	B, W (45, 49)
Brunnera macrophylla	Golovinomyces cynoglossi s. l.	E, W (44)
Bryonia dioica	Golovinomyces orontii	B
Buglossoides arvensis	Golovinomyces asperifolii	W (52)
Calamagrostis epigejos	Blumeria graminis s. l.	E
Calendula arvensis	Podosphaera xanthii	B
Calendula officinalis	Golovinomyces cichoracearum	E
	Podosphaera xanthii	E, S, W (35, 42-50, 52)
Calendula officinalis 'Gypsy Festival'	Podosphaera xanthii	W (44)
Calendula sp.	Podosphaera xanthii	W (41)
Calendula suffruticosa	Podosphaera xanthii	B
Callistephus chinensis	Golovinomyces cichoracearum	B
Calluna vulgaris cv.	Pseudoidium sp.	S
Caltha palustris	Erysiphe aquilegiae var. aquilegiae	E, S, W (43, 44, 46, 52)
Calycanthus sp.	Phyllactinia calycanthi	E, S
Calystegia pulchra	Erysiphe convolvuli var. calystegiae	I
Calystegia sepium	Erysiphe convolvuli var. calystegiae	E, S, W (44, 49)
Calystegia sepium ssp. sepium	Erysiphe convolvuli var. calystegiae	E, I, W (46)
Calystegia silvatica	Erysiphe convolvuli var. calystegiae	E, W (46)
Calystegia silvatica ssp. silvatica	Erysiphe convolvuli var. calystegiae	E
Calystegia soldanella	Erysiphe convolvuli var. convolvuli	M
Calystegia sp.	Erysiphe convolvuli	E
	Erysiphe convolvuli var. calystegiae	E, W (35, 41, 49-51)
Campanula glomerata	Golovinomyces orontii	S
Campanula latifolia	Golovinomyces orontii	E
Campanula persicifolia	Golovinomyces orontii	B

Capsella bursa-pastoris	Erysiphe cruciferarum	E, I, S, W (35, 43, 46, 47, 49, 52)
	Golovinomyces orontii	E
Caragana arborescens	Erysiphe palczewskii	E
Caragana aurantiaca	Erysiphe palczewskii	E
Caragana brevispina	Erysiphe palczewskii	E
Caralluma sp.	Golovinomyces orontii	S
Cardamine heptaphylla	Erysiphe cruciferarum	E
Cardamine sp.	Erysiphe cruciferarum	S
Carduus acanthoides	Golovinomyces montagnei	E
Carduus crispus	Golovinomyces montagnei	E, W (43, 46)
Carduus nutans	Golovinomyces montagnei	E
Carduus tenuiflorus	Golovinomyces montagnei	E, W (52)
Carica papaya	Erysiphe caricae	C
Carpinus betulus	Erysiphe arcuata	E, W (41, 44, 46, 49-51)
	Erysiphe carpinicola	E
	Phyllactinia carpini	E, W (51)
Carthamus caeruleus	Golovinomyces montagnei	B
Carthamus tinctorius	Golovinomyces montagnei	B
Castanea sativa	Erysiphe alphitoides	E
	Phyllactinia roboris	W (44)
Catalpa bignonioides	Erysiphe catalpae	E
	Erysiphe elevata	E, W (46)
Catalpa bignonioides 'Aurea'	Erysiphe elevata	E
	Neoerysiphe galeopsidis	E
Catalpa × erubescens	Erysiphe elevata	E
Catalpa × erubescens 'Purpurea'	Erysiphe elevata	E
Catalpa sp.	Fibroidium hiratae	E, S
Catalpa speciosa	Erysiphe elevata	E
	Neoerysiphe galeopsidis	E
Catananche caerulea	Golovinomyces cichoracearum	B
	Neoerysiphe nevoi	E
Catananche sp.	Golovinomyces cichoracearum	B
Catapodium marinum	Blumeria graminis s. l.	W (46)
Centaurea cyanus	Golovinomyces montagnei	E, S
Centaurea cynaroides	Golovinomyces montagnei	B
Centaurea dealbata	Golovinomyces montagnei	B
Centaurea kotschyana	Golovinomyces montagnei	B
Centaurea macrocephala	Golovinomyces montagnei	B
Centaurea macroptilon	Golovinomyces montagnei	B
Centaurea montana	Golovinomyces depressus	E, W (41-44, 46, 48, 49, 52)
	Golovinomyces montagnei	E
Centaurea montana 'Purple Heart'	Golovinomyces depressus	W (50)
Centaurea nigra	Golovinomyces montagnei	E, I, S, W (41-44, 46, 47, 49, 52)
Centaurea oxylepis	Golovinomyces montagnei	B
Centaurea scabiosa	Golovinomyces montagnei	E, W (52)
Centranthus ruber	Golovinomyces orontii	E, W (44, 46, 48-50)
Cephalaria sp. cv.	Podospaera dipsacacearum	B
Ceratochloa carinata	Blumeria graminis s. l.	B

<i>Ceratochloa marginata</i>	<i>Blumeria graminis</i> s. l.	B
<i>Cerinthe glabra</i>	<i>Golovinomyces cynoglossi</i> s. l.	B
<i>Cerinthe major</i>	<i>Golovinomyces cynoglossi</i> s. l.	E
<i>Cerinthe major</i> 'Purpurescens'	<i>Golovinomyces cynoglossi</i> s. l.	W (44)
<i>Cerinthe minor</i>	<i>Golovinomyces cynoglossi</i> s. l.	E
<i>Cerinthe</i> sp.	<i>Golovinomyces cynoglossi</i> s. l.	E
<i>Chaerophyllum aureum</i>	<i>Erysiphe heraclei</i>	E
<i>Chaerophyllum temulum</i>	<i>Erysiphe heraclei</i>	E, W (43)
<i>Chamaemelum suaveolens</i>	<i>Podosphaera erigerontis-</i> <i>canadensis</i>	E
<i>Chamaenerion angustifolium</i>	<i>Podosphaera epilobii</i>	E, I, S
<i>Chelidonium majus</i>	<i>Erysiphe macleayae</i>	E, W (47)
<i>Chionanthus retusus</i>	<i>Erysiphe syringae</i>	S
× <i>Chitalpa</i> cv.	<i>Neoerysiphe galeopsidis</i>	B
× <i>Chitalpa taschkentensis</i>	<i>Erysiphe elevata</i>	E
<i>Chrysanthemum chanetii</i>	<i>Golovinomyces orontii</i>	B
<i>Chrysanthemum</i> × <i>grandiflorum</i>	<i>Golovinomyces orontii</i>	E, I, S, W (51)
<i>Chrysanthemum</i> × <i>morifolium</i>	<i>Golovinomyces orontii</i>	B
<i>Chrysanthemum</i> 'Souvenir de la Petite Arnie'	<i>Euoidium chrysanthemi</i>	S
<i>Chrysanthemum</i> sp.	<i>Euoidium chrysanthemi</i>	S
	<i>Golovinomyces orontii</i>	B
<i>Chrysanthemum zawadskii</i>	<i>Golovinomyces orontii</i>	B
<i>Cicerbita alpina</i>	<i>Golovinomyces cichoracearum</i>	B
<i>Cichorium intybus</i>	<i>Golovinomyces cichoracearum</i>	E
<i>Cichorium</i> sp.	<i>Golovinomyces cichoracearum</i>	E
<i>Cicuta virosa</i>	<i>Erysiphe heraclei</i>	B
<i>Circaea alpina</i>	<i>Erysiphe circaeae</i>	B
<i>Circaea</i> × <i>intermedia</i>	<i>Erysiphe circaeae</i>	B
<i>Circaea lutetiana</i>	<i>Erysiphe circaeae</i>	E, I, S, W (35, 41-52)
<i>Cirsium acaule</i>	<i>Golovinomyces montagnei</i>	E
<i>Cirsium arvense</i>	<i>Erysiphe mayorii</i> var. <i>mayorii</i>	E, S, W (50)
	<i>Golovinomyces montagnei</i>	E, S, W (46)
	<i>Podosphaera xanthii</i>	W (46)
<i>Cirsium eriophorum</i>	<i>Golovinomyces montagnei</i>	E
<i>Cirsium heterophyllum</i>	<i>Erysiphe mayorii</i> var. <i>mayorii</i>	S
	<i>Golovinomyces montagnei</i>	E, S
<i>Cirsium oleraceum</i>	<i>Golovinomyces montagnei</i>	B
<i>Cirsium palustre</i>	<i>Erysiphe mayorii</i> var. <i>mayorii</i>	S
	<i>Golovinomyces montagnei</i>	E, S, W (44, 46, 47)
<i>Cirsium rivulare</i> 'Atropurpurea'	<i>Golovinomyces montagnei</i>	E
<i>Cirsium vulgare</i>	<i>Erysiphe mayorii</i> var. <i>mayorii</i>	E
	<i>Golovinomyces montagnei</i>	E, S, W (42-46, 48, 49, 52)
<i>Cistus</i> sp.	<i>Oidiopsis cisti</i>	W (51)
<i>Citrullus</i> spp.	<i>Golovinomyces orontii</i>	E/S
<i>Clematis</i> cv.	<i>Erysiphe aquilegiae</i> var. <i>aquilegiae</i>	E
<i>Clematis</i> 'Perle d'Azur'	<i>Erysiphe aquilegiae</i>	W (43)
<i>Clematis</i> 'Raymond Grison'	<i>Erysiphe aquilegiae</i>	E

Clematis × jackmanii	Erysiphe aquilegiae var. ranunculi	E, S, W (42, 46)
Clematis recta	Erysiphe aquilegiae var. ranunculi	S, W (42)
Clematis spp.	Erysiphe aquilegiae var. ranunculi	E
Clematis vitalba	Erysiphe aquilegiae var. ranunculi	E
Clinopodium acinos	Neoerysiphe galeopsidis	B
Clinopodium vulgare	Golovinomyces biocellatus s. l.	E
Cnicus benedictus	Golovinomyces montagnei	B
Coincya wrightii	Erysiphe cruciferarum	E
Colutea arborescens	Erysiphe palczewskii	B
Comarum palustre	Podosphaera aphanis var. aphanis	S, W (46)
Conium maculatum	Erysiphe heraclei	E, W (35, 43)
Consolida ajacis	Erysiphe aquilegiae var. ranunculi	E
Consolida sp.	Erysiphe aquilegiae var. ranunculi	E, W (48, 52)
	Podosphaera delphinii	S
Convolvulus arvensis	Erysiphe convolvuli var. convolvuli	E, S, W (46, 49-52)
Coreopsis sp.	Podosphaera xanthii	E
Cornus alba cv.	Erysiphe tortilis	E, I, W (44)
Cornus alba var. flaviramea	Erysiphe tortilis	W (42)
Cornus alba var. sibirica	Erysiphe tortilis	W (42, 43, 46)
Cornus florida	Erysiphe pulchra	E
Cornus koenigii	Erysiphe tortilis	W (43, 47)
Cornus nuttallii	Erysiphe pulchra	E
Cornus sanguinea	Erysiphe tortilis	E, S, W (35, 41-44, 46, 47)
Cornus sanguinea 'Midwinter Fire'	Erysiphe tortilis	E
Cornus sanguinea ssp. australis	Erysiphe tortilis	E, W (43, 44, 46)
Cornus sanguinea ssp. australis × sanguinea	Erysiphe tortilis	W (46)
Cornus sericea	Erysiphe tortilis	I
Cornus sp.	Erysiphe tortilis	E, S, W (35, 41-44, 46, 47, 49-52)
	Phyllactinia corni	E, S
Coronilla scorpioides	Erysiphe trifoliorum	B
Corylus avellana	Phyllactinia guttata	E, I, S, W (35, 41-52)
Corylus avellana 'Contorta'	Phyllactinia guttata	E, W (46, 47)
Corylus avellana f. schizochlamys	Phyllactinia guttata	W (43, 46)
Corylus maxima	Phyllactinia guttata	B
Cosmos atrosanguineus	Golovinomyces cichoracearum	E
Cosmos bipinnatus	Golovinomyces cichoracearum	E
	Podosphaera xanthii	W (43, 48)
Cosmos purpureus	Podosphaera xanthii	S
Cosmos sp.	Podosphaera xanthii	W (49, 52)
Cota austriaca	Golovinomyces macrocarpus	E
Cota tinctoria	Golovinomyces macrocarpus	E
Cota tinctoria ssp. tinctoria	Golovinomyces macrocarpus	W (41)
Cotinus coggygria	Erysiphe cotini	E, S, W (49, 50, 51)
Cotula turbinata	Golovinomyces macrocarpus	B
Cotyledon orbicularis	Pseudoidium kalanchoes	E
Cotyledon sp.	Pseudoidium kalanchoes	B
Crambe hispanica ssp. hispanica	Erysiphe cruciferarum	W (49)

Crambe maritima	Erysiphe cruciferarum	B
Crassula sp.	Pseudoidium kalanchoes	E
Crataegus laevigata	Phyllactinia mali	E
	Podosphaera clandestina	S, W (51)
Crataegus laevigata 'Paul's Scarlet'	Podosphaera clandestina	W (46)
Crataegus monogyna	Phyllactinia mali	E, W (42-44, 46, 47)
	Podosphaera clandestina	E, I, S, W (35, 41-44, 46-52)
Crataegus monogyna f. biflora	Phyllactinia mali	W (46)
	Podosphaera clandestina	W (46)
Crataegus sp.	Phyllactinia mali	W (44)
	Podosphaera clandestina	W (35, 44, 48, 49, 52)
Crataegus × subsphaerica	Podosphaera clandestina	W (46)
Crepis biennis	Golovinomyces cichoracearum	E, W (41, 46)
Crepis capillaris	Golovinomyces cichoracearum	E, I, W (41, 43, 44, 46, 49)
	Podosphaera erigerontis- canadensis	E
Crepis paludosa	Podosphaera erigerontis- canadensis	E, S
Crepis setosa	Podosphaera erigerontis- canadensis	B
Crepis vesicaria ssp. taraxacifolia	Golovinomyces cichoracearum	E, W (46)
	Podosphaera erigerontis- canadensis	E
Cruciata laevipes	Neoerysiphe galii	E
Cucumis sativus	Golovinomyces cucurbitacearum	S, W (49)
	Golovinomyces orontii	E, S
	Podosphaera xanthii	E, S
Cucumis sativus 'Crystal Apple'	Golovinomyces cucurbitacearum	W (49)
Cucumis sativus 'Crystal Lemon'	Golovinomyces cucurbitacearum	W (49)
Cucumis sativus 'Telegraph'	Golovinomyces cucurbitacearum	W (46)
Cucurbita maxima	Golovinomyces cucurbitacearum	W (42, 46, 48, 49)
	Golovinomyces orontii	E
Cucurbita maxima 'Thelma Saunders'	Golovinomyces cucurbitacearum	W (46)
Cucurbita moschata	Golovinomyces cucurbitacearum	B
	Golovinomyces orontii	B
	Podosphaera xanthii	E
Cucurbita pepo	Golovinomyces cucurbitacearum	E, I, W (42-44, 46-50)
	Golovinomyces orontii	E, I, S, W (42, 44, 46, 48)
Cucurbita pepo 'Little Gem'	Golovinomyces cucurbitacearum	W (44)
Cucurbita pepo var. medullosa	Golovinomyces cucurbitacearum	S
Cucurbita sp.	Podosphaera xanthii	E
Cuphea rosea	Fibroidium sp.	E
Cyclamen persicum	Pseudoidium cyclaminis	B
Cyclamen sp.	Golovinomyces orontii	B
Cydonia oblonga	Podosphaera clandestina	S
	Podosphaera leucotricha	E, W (46)
Cydonia sp.	Phyllactinia mali	B
	Podosphaera clandestina	B
Cymbalaria muralis	Golovinomyces orontii	E, S, W (46, 48, 49, 52)

<i>Cynara cardunculus</i>	<i>Golovinomyces montagnei</i>	E, W (46, 49)
	<i>Leveillula lappae</i>	E
<i>Cynara cardunculus</i> var. <i>scolymus</i>	<i>Golovinomyces montagnei</i>	B
<i>Cynoglossum germanicum</i>	<i>Golovinomyces cynoglossi</i> s. s.	E
<i>Cynoglossum officinale</i>	<i>Golovinomyces cynoglossi</i> s. s.	E, I, W (35, 44, 49)
<i>Cynoglossum</i> sp.	<i>Golovinomyces cynoglossi</i> s. s.	S
<i>Cynosurus cristatus</i>	<i>Blumeria graminis</i> s. l.	E
<i>Cytisus purpureus</i>	<i>Erysiphe trifoliorum</i>	B
<i>Cytisus scoparius</i>	<i>Erysiphe trifoliorum</i>	E, S, W (49)
<i>Dactylis glomerata</i>	<i>Blumeria dactylidis</i>	E, I, S, W (35, 42-44, 46, 47, 49)
<i>Dahlia</i> 'Blyton Everest'	<i>Podosphaera xanthii</i>	E
<i>Dahlia</i> 'Bracken Lorelei'	<i>Podosphaera xanthii</i>	E
<i>Dahlia</i> 'Café au Lait'	<i>Podosphaera xanthii</i>	E
<i>Dahlia coccinea</i>	<i>Golovinomyces spadiceus</i>	E
<i>Dahlia</i> 'Hamari Gold'	<i>Podosphaera xanthii</i>	E
<i>Dahlia</i> × <i>hortensis</i>	<i>Golovinomyces spadiceus</i>	E
	<i>Podosphaera erigerontis-</i> <i>canadensis</i>	E
	<i>Podosphaera xanthii</i>	E
<i>Dahlia</i> 'Kilburn Glow'	<i>Podosphaera xanthii</i>	E
<i>Dahlia</i> 'Lubega Power White'	<i>Podosphaera xanthii</i>	W (52)
<i>Dahlia</i> 'Pacific Argyle'	<i>Podosphaera xanthii</i>	E
<i>Dahlia pinnata</i>	<i>Golovinomyces spadiceus</i>	B
<i>Dahlia</i> 'Rossendale Flamenco'	<i>Podosphaera xanthii</i>	E
<i>Dahlia</i> 'Sandia Rose'	<i>Podosphaera xanthii</i>	E
<i>Dahlia</i> 'So Dainty'	<i>Podosphaera xanthii</i>	E
<i>Dahlia</i> 'Spartacus'	<i>Podosphaera xanthii</i>	E
<i>Dasiphora fruticosa</i>	<i>Podosphaera aphanis</i> var. <i>aphanis</i>	E
<i>Dasiphora fruticosa</i> 'Vilmoriniana'	<i>Podosphaera aphanis</i> var. <i>aphanis</i>	E
<i>Daucus carota</i>	<i>Erysiphe heraclei</i>	E, I
<i>Delphinium</i> 'Black Knight'	<i>Erysiphe aquilegiae</i> var. <i>ranunculi</i>	E
<i>Delphinium</i> × <i>cultorum</i>	<i>Erysiphe aquilegiae</i> var. <i>ranunculi</i>	B
<i>Delphinium elatum</i>	<i>Erysiphe aquilegiae</i> var. <i>ranunculi</i>	E
<i>Delphinium pyramidale</i>	<i>Erysiphe aquilegiae</i> var. <i>ranunculi</i>	E
<i>Delphinium</i> sp.	<i>Erysiphe aquilegiae</i> var. <i>ranunculi</i>	E, S
	<i>Podosphaera delphinii</i>	E, S
<i>Deschampsia cespitosa</i> ssp. <i>cespitosa</i>	<i>Blumeria</i> sp.	E, S, W (46)
<i>Deutzia crenata</i>	<i>Erysiphe deutziae</i>	E
<i>Deutzia scabra</i>	<i>Erysiphe deutziae</i>	E, S, W (41, 49, 51)
<i>Deutzia scabra</i> 'Candidissima'	<i>Erysiphe deutziae</i>	E
<i>Dianthus barbatus</i>	<i>Erysiphe buhrii</i>	B
<i>Dianthus caryophyllus</i>	<i>Erysiphe buhrii</i>	B
<i>Digitalis purpurea</i>	<i>Golovinomyces orontii</i>	W (47)
<i>Diploxys muralis</i>	<i>Erysiphe cruciferarum</i>	E
<i>Diploxys tenuifolia</i>	<i>Erysiphe cruciferarum</i>	E
<i>Dipsacus fullonum</i>	<i>Podosphaera dipsacacearum</i>	E, W (35, 42-46, 48-51)
<i>Dipsacus laciniatus</i>	<i>Podosphaera dipsacacearum</i>	E

Dipsacus sp.	Podosphaera dipsacacearum	S
Doronicum pardalianches	Podosphaera fusca	E, W (42, 43)
Doronicum plantagineum	Podosphaera fusca	E
Doronicum sp.	Podosphaera fusca	E, S
Dryas octopetala	Podosphaera volkartii	S, I
Dudleya farinosa	Pseudoidium kalanchoes	S
Dudleya palmeri	Pseudoidium kalanchoes	E
Echeveria sp.	Pseudoidium kalanchoes cf.	E
Echinops bannaticus	Golovinomyces echinopis	E, W (49)
Echinops exaltatus	Golovinomyces echinopis	E
Echinops karatavicus	Golovinomyces echinopis	E
Echinops sp.	Golovinomyces echinopis	I, S, W (42, 46, 50, 51)
Echinops sphaerocephalus	Golovinomyces echinopis	E
Echium plantagineum	Golovinomyces asperifolii	E
Echium sp.	Leveillula taurica s. l.	S
Echium vulgare	Golovinomyces asperifolii	E, S, W (46, 49, 51, 52)
	Leveillula taurica s. l.	E, W (51)
Elymus athericus	Blumeria graminis s. s.	W (44)
Elymus caninus	Blumeria graminis s. s.	B
Elymus junceiformis	Blumeria graminis s. s.	S
Elymus repens	Blumeria graminis s. s.	E, S, W (35, 42-44, 46, 49)
Epilobium brunnescens	Podosphaera epilobii	E, S, W (43, 44, 46, 48)
Epilobium ciliatum	Podosphaera epilobii	E, I, W (41-48)
Epilobium hirsutum	Podosphaera epilobii	E, I, S, W (35, 41-44, 46, 49, 51)
Epilobium × interjectum	Podosphaera epilobii	W (43, 46)
Epilobium lanceolatum	Podosphaera epilobii	W (46)
Epilobium montanum	Podosphaera epilobii	E, I, S, W (42-49)
Epilobium obscurum	Podosphaera epilobii	W (43, 46-48, 52)
Epilobium palustre	Podosphaera epilobii	E, S, W (41-44, 46, 48, 49, 52)
Epilobium parviflorum	Podosphaera epilobii	E, I, S, W (44, 46, 49)
Epilobium pedunculare	Podosphaera epilobii	B
Epilobium × persicinum	Podosphaera epilobii	B
Epilobium roseum	Podosphaera epilobii	E, S, W (48)
Epilobium tetragonum	Podosphaera epilobii	E, W (42, 46)
Epilobium × vicinum	Podosphaera epilobii	W (46)
Erica ageana	Erysiphe azaleae	S
Erica conica	Erysiphe azaleae	S
Erica glomerifera	Erysiphe azaleae	S
Erica johnstoniana	Erysiphe azaleae	S
Erica mammosa	Erysiphe azaleae	S
Erica nudifolia	Erysiphe azaleae	S
Erica oatsii	Erysiphe azaleae	S
Erica oxifera	Erysiphe azaleae	S
Erica plukenetii	Erysiphe azaleae	S
Erica sp.	Erysiphe azaleae	S
	Golovinomyces orontii	B
Erica subdivaricata	Erysiphe azaleae	S

Erigeron acris	Podosphaera erigerontis-canadensis	E
Erigeron canadensis	Podosphaera erigerontis-canadensis	E
Erigeron floribundus	Podosphaera erigerontis-canadensis	E, W (42, 44)
Erigeron karvinskianus	Podosphaera erigerontis-canadensis	B
Erigeron sumatrensis	Podosphaera erigerontis-canadensis	E
Erodium cicutarium	Podosphaera erodii	E, W (52)
Erodium maritimum	Podosphaera erodii	W (45)
Erodium moschatum	Podosphaera erodii	E, W (41)
Ervilia hirsuta	Erysiphe pisi var. pisi	E
Ervilia sylvatica	Erysiphe baeumleri	E, S, W (46)
	Erysiphe pisi var. pisi	S
Ervum tetraspermum	Erysiphe pisi var. pisi	E
Erysimum cheiri	Erysiphe cruciferarum	E, W (49)
Erythranthe guttata	Golovinomyces brunneopunctatus	E?, W (49)
Erythranthe lutea	Golovinomyces brunneopunctatus	E?
Erythranthe sp.	Golovinomyces brunneopunctatus	S
Eschscholzia californica	Erysiphe eschscholziae	E, S, W (44)
Eucalyptus cinerea	Golovinomyces orontii	B
Eucalyptus coccifera	Golovinomyces orontii	B
Eucalyptus dalrympleana	Golovinomyces orontii	B
Eucalyptus globulus	Golovinomyces orontii	B
Eucalyptus gunnii	Golovinomyces orontii	B
Eucalyptus niphophila	Golovinomyces orontii	B
Eucalyptus nutans	Golovinomyces orontii	B
Eucalyptus perriniana	Golovinomyces orontii	B
Eucalyptus spp.	Podosphaera aphanis var. aphanis	S
	Golovinomyces orontii	B
Eucalyptus woodwardii	Golovinomyces orontii	B
Euonymus europaeus	Erysiphe euonymi	E, I, W (35, 41-44, 46, 48-52)
Euonymus europaeus f. intermedius	Erysiphe euonymi	W (44, 46)
Euonymus fortunei var. radicans	Erysiphe euonymicola	E, S
Euonymus hederaceus	Erysiphe euonymi	B
Euonymus japonicus	Erysiphe euonymicola	E, I, S, W (35, 41, 44-46, 48-52)
Euonymus nanus	Erysiphe euonymicola	B
Euonymus verrucosus	Erysiphe euonymi	B
Eupatorium cannabinum	Golovinomyces circumfusus	E, I, S, W (35, 41, 44, 46-52)
Eupatorium cannabinum 'Flore Pleno'	Golovinomyces circumfusus	W (47)
Euphorbia altissima	Podosphaera euphorbiae	B
Euphorbia amygdaloides cv.	Podosphaera euphorbiae	W (43, 48)
Euphorbia amygdaloides ssp. amygdaloides 'Purpurea'	Podosphaera euphorbiae	E, W (35, 46)
Euphorbia characias	Podosphaera euphorbiae	E, W (46)
Euphorbia cyparissias	Fibroidium cyparissiae	E
Euphorbia dulcis	Podosphaera euphorbiae	W (44)

<i>Euphorbia dulcis</i> 'Chameleon'	<i>Podosphaera euphorbiae</i>	W (42, 44)
<i>Euphorbia epithymoides</i>	<i>Podosphaera euphorbiae</i>	E
<i>Euphorbia esula</i>	<i>Podosphaera euphorbiae</i>	B
<i>Euphorbia esula</i> ssp. <i>tommasiniana</i>	<i>Podosphaera euphorbiae</i>	B
<i>Euphorbia exigua</i>	<i>Podosphaera euphorbiae</i>	B
<i>Euphorbia griffithii</i>	<i>Podosphaera euphorbiae</i>	B
<i>Euphorbia helioscopia</i>	<i>Podosphaera euphorbiae</i>	E, S, W (44, 46, 49)
<i>Euphorbia hyberna</i>	<i>Podosphaera euphorbiae</i>	I
<i>Euphorbia lathyris</i>	<i>Podosphaera euphorbiae</i>	E
<i>Euphorbia orientalis</i>	<i>Podosphaera euphorbiae</i>	B
<i>Euphorbia peplus</i>	<i>Podosphaera euphorbiae</i>	E, S, W (35, 41-43, 46-49, 51)
<i>Euphorbia pulcherrima</i>	<i>Leveillula clavata</i>	E
	<i>Pseudoidium poinsettiae</i>	B
<i>Euphorbia sarawschanica</i>	<i>Podosphaera euphorbiae</i>	B
<i>Euphorbia segetalis</i>	<i>Podosphaera euphorbiae</i>	E
<i>Euphorbia villosa</i>	<i>Podosphaera euphorbiae</i>	B
<i>Euphorbia wallichii</i>	<i>Podosphaera euphorbiae</i>	E, S
<i>Euphrasia arctica</i>	<i>Podosphaera phtheirospermi</i>	B
<i>Euphrasia confusa</i>	<i>Podosphaera phtheirospermi</i>	E, S, W (52)
<i>Euphrasia confusa</i> × <i>nemorosa</i>	<i>Podosphaera phtheirospermi</i>	W (46)
<i>Euphrasia nemorosa</i>	<i>Podosphaera phtheirospermi</i>	E, W (44, 46)
<i>Euphrasia officinalis</i> ssp. <i>anglica</i>	<i>Podosphaera phtheirospermi</i>	W (46)
<i>Euphrasia officinalis</i> ssp. <i>pratensis</i>	<i>Podosphaera phtheirospermi</i>	W (46)
<i>Euphrasia salisburgensis</i>	<i>Podosphaera phtheirospermi</i>	S
<i>Euphrasia</i> sp.	<i>Podosphaera phtheirospermi</i>	E, S, W (49)
<i>Euthamia gymnospermoides</i>	<i>Golovinomyces asterum</i> var. <i>solidaginis</i>	B
<i>Fagopyrum</i> sp.	<i>Erysiphe polygoni</i>	B
<i>Fagus sylvatica</i>	<i>Erysiphe alphitoides</i>	S
	<i>Phyllactinia orbicularis</i>	E, I, S, W (42, 45-47, 49-52)
<i>Fagus sylvatica</i> 'Purpurea'	<i>Phyllactinia orbicularis</i>	W (46)
<i>Fallopia baldschuanica</i>	<i>Erysiphe polygoni</i>	E
<i>Fallopia convolvulus</i>	<i>Erysiphe polygoni</i>	E
<i>Felicia bergeriana</i>	<i>Golovinomyces cichoracearum</i>	B
<i>Felicia</i> sp.	<i>Golovinomyces asterum</i> var. <i>asterum</i>	B
<i>Festuca ovina</i>	<i>Blumeria graminis</i> s. l.	B
<i>Festuca rubra</i>	<i>Blumeria graminis</i> s. l.	S, W (35)
<i>Festuca rubra</i> ssp. <i>commutata</i>	<i>Blumeria graminis</i> s. l.	E
<i>Festuca rubra</i> ssp. <i>rubra</i>	<i>Blumeria graminis</i> s. l.	W (35, 44, 46)
<i>Filipendula ulmaria</i>	<i>Erysiphe ulmariae</i>	E, I, S, W (35, 42-46, 48-52)
	<i>Podosphaera filipendulae</i>	E, I, S, W (35, 41-46, 48-52)
<i>Filipendula vulgaris</i>	<i>Erysiphe ulmariae</i>	B
<i>Filipendula vulgaris</i> 'Flore Pleno'	<i>Podosphaera filipendulae</i>	W (43, 44)
<i>Foeniculum vulgare</i>	<i>Erysiphe heraclei</i>	E
<i>Forsythia</i> sp.	<i>Podosphaera pannosa</i>	E
<i>Fragaria ananassa</i>	<i>Podosphaera aphanis</i> var. <i>aphanis</i>	E, W (49)

Fragaria sp.	Podosphaera aphanis var. aphanis	S
Fragaria vesca	Podosphaera aphanis var. aphanis	E, W (44, 46)
Frangula alnus var. alnus	Erysiphe divaricata	E, S, W (46)
Frangula alnus var. latifolia	Erysiphe divaricata	W (46)
Fraxinus excelsior	Phyllactinia fraxini	E, I, S, W (35, 41-52)
Fraxinus excelsior 'Pendula'	Phyllactinia fraxini	W (46)
Fuchsia spp.	Erysiphe howeana	B
Fumaria bastardii	Erysiphe cruciferarum	W (42, 49)
Fumaria bastardii var. bastardii	Erysiphe cruciferarum	W (44, 46, 49)
Fumaria capreolata	Erysiphe cruciferarum	W (44)
Fumaria densiflora	Erysiphe cruciferarum	W (42)
Fumaria muralis ssp. boraei	Erysiphe cruciferarum	W (49)
Fumaria muralis ssp. boraei var. gracilis	Erysiphe cruciferarum	W (46)
Fumaria muralis ssp. boraei var. major	Erysiphe cruciferarum	W (46)
Fumaria occidentalis	Erysiphe cruciferarum	E
Fumaria officinalis	Erysiphe cruciferarum	E, I, S, W (49)
Fumaria parviflora	Erysiphe cruciferarum	W (42)
Fumaria purpurea	Erysiphe cruciferarum	W (42)
Fumaria reuteri	Erysiphe cruciferarum	W (42)
Gaillardia sp.	Leveillula lappae	B
Galatella linosyris	Golovinomyces asterum var. morczkovskii	E
Galega officinalis	Erysiphe galegae	E
	Erysiphe trifoliorum	E
Galeopsis angustifolia	Neoerysiphe galeopsidis	E
Galeopsis bifida	Neoerysiphe galeopsidis	E, W (35, 46, 47)
Galeopsis ladanum	Neoerysiphe galeopsidis	E
Galeopsis segetum	Neoerysiphe galeopsidis	E
Galeopsis sp.	Neoerysiphe galeopsidis	W (35, 43, 47)
Galeopsis speciosa	Neoerysiphe galeopsidis	E
Galeopsis tetrahit	Neoerysiphe galeopsidis	E, W (35, 42-44, 46-48)
Galium album	Golovinomyces riedlianus	E
	Neoerysiphe galii	W (49)
Galium aparine	Neoerysiphe galii	E, S, W (41-47, 49, 52)
Galium odoratum	Neoerysiphe galii	E, S, W (43, 44, 46, 47, 49, 52)
Galium palustre	Neoerysiphe galii	E
Galium sp.	Golovinomyces riedlianus	B
Galium spurium	Golovinomyces riedlianus	E
Galium verum	Golovinomyces riedlianus	E
	Neoerysiphe galii	S, W (43)
Gazania sp.	Leveillula lappae	B
Genista sagittalis	Erysiphe trifoliorum	B
Genista sibirica	Erysiphe trifoliorum	B
Genista sp.	Erysiphe thermopsidis	B
Geranium 'Brookside'	Neoerysiphe geranii	E
	Podosphaera fugax	E

Geranium cinereum	Podosphaera fugax	B
Geranium clarkei	Podosphaera fugax	E
Geranium collinum	Neoerysiphe geranii	W (46)
Geranium cv.	Podosphaera fugax	W (43)
Geranium dissectum	Podosphaera fugax	E, I, W (35, 42-44, 46, 48, 49, 52)
Geranium himalayense	Podosphaera fugax	E
Geranium × johnsonii 'Johnson's Blue'	Neoerysiphe geranii	W (42)
Geranium × magnificum	Neoerysiphe geranii	E, W (44, 46)
	Podosphaera fugax	W (46, 49)
Geranium molle	Podosphaera fugax	E, I, S, W (35, 41-49, 52)
Geranium 'Nimbus'	Podosphaera fugax	E
Geranium phaeum	Neoerysiphe geranii	I
	Podosphaera fugax	E
Geranium pratense	Neoerysiphe geranii	E, W (35, 44, 46)
	Podosphaera fugax	E, S, W (35, 46, 49, 52)
Geranium pratense 'Summer Skies'	Neoerysiphe geranii	W (44)
Geranium psilostemon	Neoerysiphe geranii	E
Geranium pusillum	Podosphaera fugax	E
Geranium pyrenaicum	Podosphaera fugax	E, I, W (35, 44)
Geranium robertianum	Podosphaera fugax	E
Geranium rotundifolium	Podosphaera fugax	E, W (46)
Geranium sanguineum	Podosphaera fugax	E, S, W (44)
Geranium sinense	Neoerysiphe geranii	S
Geranium sp.	Neoerysiphe geranii	E, S, W (52)
Geranium sylvaticum	Podosphaera fugax	E, S
Geranium wallichianum	Podosphaera fugax	E
Gerbera jamesonii	Golovinomyces cichoracearum	B
Geum 'Borisii'	Podosphaera aphanis var. aphanis	B
Geum coccineum	Podosphaera aphanis var. aphanis	B
Geum × heldreichii	Podosphaera aphanis var. aphanis	B
Geum × intermedium	Podosphaera aphanis var. aphanis	W (43)
Geum japonicum	Podosphaera aphanis var. aphanis	E
Geum macrophyllum	Podosphaera aphanis var. aphanis	W (46-48)
Geum pyrenaicum	Podosphaera aphanis var. aphanis	B
Geum quellyon	Podosphaera aphanis var. aphanis	B
Geum rivale	Podosphaera aphanis var. aphanis	E, S, W (43, 44)
Geum urbanum	Podosphaera aphanis var. aphanis	E, I, S, W (35, 41-49, 51, 52)
Glaucium flavum	Erysiphe cruciferarum	E, W (48)
Glebionis coronaria	Golovinomyces macrocarpus	B
Glebionis segetum	Golovinomyces macrocarpus	E, W (35, 43, 46, 50-52)
Glechoma hederacea	Golovinomyces biocellatus s. s.	E, W (41,43,44,46,48,49,52)
	Neoerysiphe galeopsidis	E, S, W (41, 44, 46)
Glechoma hederacea 'Variegata'	Golovinomyces biocellatus s. s.	E, W (49, 52)
Greyia sp.	Leveillula taurica s. l.	E
Grindelia sp.	Golovinomyces pseudosepultus	E
Grindelia squarrosa	Golovinomyces cichoracearum	B
Hedera helix agg.	Golovinomyces orontii	B

Helianthemum 'Amabile Plenum'	Leveillula taurica s. l.	S
Helianthemum apenninum 'Ben Macdhuil'	Leveillula taurica s. l.	S
Helianthemum chamaesistus 'Chocolate Blotch'	Leveillula taurica s. l.	S
Helianthemum cvs.	Podospaera helianthemi	W (51)
Helianthemum nummularium	Podospaera helianthemi	B
Helianthemum nummularium ssp. grandiflorum	Leveillula taurica s. l.	E
Helianthemum nummularium ssp. nummularium	Leveillula taurica s. l.	E
Helianthemum pilosum	Podospaera helianthemi	B
Helianthemum sp.	Leveillula taurica s. l.	S
	Oidiopsis cisti	W (51)
	Podospaera helianthemi	E, I, S
Helianthemum violaceum	Podospaera helianthemi	B
Helianthemum violaceum 'Rhodanthe Carneum'	Leveillula taurica s. l.	B
Helianthus annuus	Golovinomyces orontii	W (48)
Helianthus annuus cv.	Golovinomyces ambrosiae	E, W (43, 48, 49)
Helianthus × laetiflorus 'Lemon Queen'	Golovinomyces orontii	W (48)
Helianthus maximiliani	Golovinomyces ambrosiae	W (43)
Helianthus × multiflorus	Golovinomyces ambrosiae	W (48)
Helianthus pauciflorus	Golovinomyces ambrosiae	E
Helianthus tuberosus	Golovinomyces ambrosiae	E
	Golovinomyces orontii	E
Helminthotheca echioides	Golovinomyces cichoracearum	E, W (42, 45, 46, 49, 50)
Heracleum mantegazzianum	Erysiphe heraclei	E, W (44)
Heracleum sphondylium	Erysiphe heraclei	E, I, S, W (35, 41-49, 52)
Hesperis matronalis	Erysiphe cruciferarum	E, W (46, 49)
Heuchera cvs.	Podospaera macrospora	E
Heuchera sanguinea	Podospaera macrospora	W (51)
Hieracium angustatifforme	Golovinomyces hieraciorum	W (42)
Hieracium apheles	Golovinomyces hieraciorum	W (42)
Hieracium argentiforme	Golovinomyces hieraciorum	W (42)
Hieracium britanniciforme	Golovinomyces hieraciorum	W (42)
Hieracium candelabrae	Golovinomyces hieraciorum	W (42)
Hieracium cantianum	Golovinomyces hieraciorum	W (42)
Hieracium charitodon	Golovinomyces hieraciorum	W (42)
Hieracium cyathis	Golovinomyces hieraciorum	W (44)
Hieracium daedalolepioides	Golovinomyces hieraciorum	W (46)
Hieracium dentulum	Golovinomyces hieraciorum	W (42)
Hieracium diaphanum	Golovinomyces hieraciorum	W (44)
Hieracium grandidens	Golovinomyces hieraciorum	W (46)
Hieracium hypochaeroides	Golovinomyces hieraciorum	W (44)
Hieracium inspissatum	Golovinomyces hieraciorum	W (42)
Hieracium leptodon	Golovinomyces hieraciorum	W (44)
Hieracium liguans	Golovinomyces hieraciorum	W (42)

Hieracium lintonense	Golovinomyces hieraciorum	W (42)
Hieracium mannidens	Golovinomyces hieraciorum	W (42)
Hieracium molybdochroum	Golovinomyces hieraciorum	W (44)
Hieracium neocoracinum	Golovinomyces hieraciorum	W (42)
Hieracium pollichiae	Golovinomyces hieraciorum	W (42)
Hieracium pollinarioides	Golovinomyces hieraciorum	W (42)
Hieracium promontoriale	Golovinomyces hieraciorum	W (42)
Hieracium radyrense	Golovinomyces hieraciorum	W (41)
Hieracium rectulum	Golovinomyces hieraciorum	W (44)
Hieracium riddelsdellii	Golovinomyces hieraciorum	W (44)
Hieracium sabaudum	Golovinomyces hieraciorum	W (46)
Hieracium scoticum	Golovinomyces hieraciorum	W (42)
Hieracium scullyi	Golovinomyces hieraciorum	W (42)
Hieracium sect. Sabauda	Golovinomyces hieraciorum	E
Hieracium sect. Vulgata	Golovinomyces hieraciorum	E
Hieracium snowdoniense	Golovinomyces hieraciorum	W (44)
Hieracium sp.	Golovinomyces hieraciorum	E, I, S, W (41, 43-45, 47, 49)
Hieracium subcrocatum	Golovinomyces hieraciorum	W (46)
Hieracium subminutidens	Golovinomyces hieraciorum	W (42)
Hieracium submutabile	Golovinomyces hieraciorum	W (44)
Hieracium subrude	Golovinomyces hieraciorum	W (42)
Hieracium tavense	Golovinomyces hieraciorum	W (42)
Hieracium umbellatum agg.	Golovinomyces hieraciorum	E, W (43, 47)
Hieracium umbellatum ssp. bichlorophyllum	Golovinomyces hieraciorum	W (46)
Hieracium vagicola	Golovinomyces hieraciorum	W (42)
Hieracium vagum	Golovinomyces hieraciorum	E, W (46)
Hippocrepis sp.	Erysiphe pisi var. pisi	B
Hippocrepis unisiliquosa	Erysiphe trifoliorum	B
Hirschfeldia incana	Erysiphe cruciferarum	E, W (41, 42, 44, 46)
Holcus lanatus	Blumeria graminicola	E, S, W (44)
Holcus mollis	Blumeria graminicola	E
Homalocladium platycladium	Erysiphe polygoni	B
Hordelymus europaeus	Blumeria graminis s. l.	E
Hordeum 'Ark Royal'	Blumeria dactylidis	E
Hordeum 'Athos'	Blumeria dactylidis	E
Hordeum 'Cambrinus'	Blumeria dactylidis	E
Hordeum cv.	Blumeria dactylidis	S, W (49)
Hordeum 'Deba Abed'	Blumeria dactylidis	E
Hordeum distichon	Blumeria dactylidis	E, W (46)
Hordeum 'Europa'	Blumeria dactylidis	E
Hordeum 'Impala'	Blumeria dactylidis	E
Hordeum 'Julia'	Blumeria dactylidis	E
Hordeum 'Maris Otter'	Blumeria dactylidis	E
Hordeum murinum	Blumeria dactylidis	E, W (35)
Hordeum 'Proctor'	Blumeria dactylidis	E
Hordeum 'Rika'	Blumeria dactylidis	E
Hordeum 'Sonja'	Blumeria dactylidis	E

Hordeum sp.	Blumeria dactylidis	S
Hordeum 'Sultan'	Blumeria dactylidis	E
Hordeum 'Swallow'	Blumeria dactylidis	E
Hordeum vulgare	Blumeria dactylidis	E, S
Hordeum 'Zephyr'	Blumeria dactylidis	E
Humulus lupulus	Podosphaera macularis	E, S, W (35, 41, 47, 51)
Humulus scandens	Podosphaera macularis	E
Humulus sp.	Podosphaera macularis	S
Hydrangea macrophylla cv.	Pseudoidium hortensiae	E, W (41, 45, 46, 48, 49, 51, 52)
Hydrangea macrophylla ssp. serrata	Pseudoidium hortensiae	E
Hydrangea sp.	Golovinomyces orontii	B
	Pseudoidium hortensiae	E, S, W (41)
Hylotelephium 'Herbstfreude'	Erysiphe sedi	E
Hylotelephium spectabile	Erysiphe sedi	E, W (46, 49, 50)
	Golovinomyces orontii	E
Hyoscyamus niger	Golovinomyces hyoscyami	E
Hypericum androsaemum	Erysiphe hyperici	E, S, W (44)
Hypericum calycinum	Erysiphe hyperici	E, S
Hypericum × desetangsii	Erysiphe hyperici	I, W (35, 42-44, 46-48)
Hypericum hirsutum	Erysiphe hyperici	E, W (42, 46)
Hypericum humifusum	Erysiphe hyperici	E
Hypericum kotschyianum	Erysiphe hyperici	B
Hypericum kouychense	Erysiphe hyperici	S
Hypericum maculatum	Erysiphe hyperici	E, I, W (44, 47, 49, 50)
Hypericum maculatum ssp. obtusiusculum	Erysiphe hyperici	W (42, 46, 47)
Hypericum montanum	Erysiphe hyperici	E, W (44)
Hypericum perforatum	Erysiphe hyperici	E, S, W (41, 43, 44, 46, 47, 49)
Hypericum perforatum × undulatum	Erysiphe hyperici	W (46)
Hypericum pulchrum	Erysiphe hyperici	E, W (49)
Hypericum tetrapterum	Erysiphe hyperici	W (46)
Hypericum undulatum	Erysiphe hyperici	W (45)
Hypericum webbii	Erysiphe hyperici	S
Hypochoeris radicata	Golovinomyces cichoracearum	E, S, W (42-44, 46, 47, 49)
Hyssopus officinalis	Golovinomyces biocellatus s. l.	E
Iberis sp.	Erysiphe cruciferarum	B
Iberis umbellata	Erysiphe cruciferarum	S
Impatiens balsamina	Podosphaera balsaminae	B
Impatiens capensis	Podosphaera xanthii	E, W (41)
Impatiens glandulifera	Podosphaera xanthii	B
Impatiens noli-tangeri	Podosphaera balsaminae	E, W (48)
Impatiens sp.	Fibroidium balsaminae	E, W (51)
Inula magnifica	Golovinomyces inulae	E
Ipomaea purpurea 'Grandpa Otts'	Erysiphe convolvuli	E
Ismelia carinata	Golovinomyces macrocarpus	B
Jacobaea × albescens	Golovinomyces fischeri	E
Jacobaea aquatica	Golovinomyces fischeri	S
	Podosphaera senecionis	E, I, W (43, 44, 46)

Jacobaea erucifolia	Podosphaera senecionis	E, W (46)
Jacobaea maritima	Golovinomyces fischeri	B
Jacobaea vulgaris	Golovinomyces fischeri	E, S
	Podosphaera senecionis	E, I, S, W (43, 44, 46, 48-50, 52)
Juglans regia	Erysiphe juglandis	E
Juglans sp.	Erysiphe juglandis	W
Kalanchoe blockforinae	Pseudoidium kalanchoes	S
Kalanchoe brachyloba	Pseudoidium kalanchoes	S
Knautia arvensis	Erysiphe knautiae	E, W (52)
	Podosphaera dipsacacearum	E
Knautia macedonica	Erysiphe knautiae	W (46, 48)
	Podosphaera dipsacacearum	E, I, W (48, 50)
Knautia 'Red Knight'	Podosphaera dipsacacearum	E
Koeleria macrantha	Blumeria graminis s. l.	B
Laburnum anagyroides	Erysiphe guarinonii	E, S, W (44, 46)
Laburnum sp.	Erysiphe guarinonii	S, W (51)
Laburnum × watereri	Erysiphe guarinonii	W (51)
Lactuca saligna	Golovinomyces cichoracearum	B
Lactuca sativa	Golovinomyces cichoracearum	E
Lactuca serriola	Golovinomyces cichoracearum	E, W (41-44, 46)
Lactuca virosa	Golovinomyces cichoracearum	E
	Golovinomyces cichoracearum	B
Lagerstroemia indica	Erysiphe australiana	E
Lagerstroemia indica 'Twilight'	Erysiphe australiana	E
Lamiastrum galeobdolon ssp. argentatum	Neoerysiphe galeopsidis	E, W (42-49, 52)
Lamiastrum galeobdolon ssp. montanum	Neoerysiphe galeopsidis	E, S, W (42, 43, 46)
Lamium album	Neoerysiphe galeopsidis	E, S, W (42-47, 49-51)
Lamium amplexicaule	Neoerysiphe galeopsidis	E, S, W (44, 46)
Lamium confertum	Neoerysiphe galeopsidis	B
Lamium hybridum	Neoerysiphe galeopsidis	E, W (46, 49, 52)
Lamium maculatum	Neoerysiphe galeopsidis	E, S, W (47)
Lamium purpureum	Neoerysiphe galeopsidis	E, I, S, W (35, 42, 43, 45-49, 52)
Lamium sp.	Neoerysiphe galeopsidis	S
Lapsana communis	Golovinomyces cichoracearum s. l.	E, I, S, W (49)
Lapsana communis ssp. communis	Golovinomyces cichoracearum s. l.	E, S, W (46)
	Neoerysiphe nevoi	E, I, S, W (41, 42, 44, 46, 47, 51)
	Podosphaera erigerontis-canadensis	E, S, W (35, 41, 43, 44, 50)
Lathyrus hirsutus	Erysiphe trifoliorum	B
Lathyrus latifolius	Erysiphe pisi var. pisi	E, S
Lathyrus linifolius var. montanus	Erysiphe trifoliorum	E
Lathyrus magellanicus	Erysiphe trifoliorum	B
Lathyrus odoratus	Erysiphe pisi var. pisi	E, W (42-44, 46, 49)
	Erysiphe trifoliorum	E, I, W (47)
Lathyrus oleraceus	Erysiphe pisi var. pisi	E, S, W (35, 42-44, 46, 48, 49)
Lathyrus oleraceus 'Alderman'	Erysiphe pisi var. pisi	W (44)

Lathyrus oleraceus 'Carouby de Maussane'	Erysiphe pisi var. pisi	W (43)
Lathyrus oleraceus 'Onward'	Erysiphe pisi var. pisi	W (42)
Lathyrus palustris	Erysiphe trifoliorum	E
Lathyrus pratensis	Erysiphe pisi var. cruchetiana	W (46)
	Erysiphe pisi var. pisi	E, S, W (46, 52)
	Erysiphe trifoliorum	E, I, S, W (35, 41-47, 49, 51, 52)
Lathyrus tuberosus	Erysiphe trifoliorum	B
Laurus nobilis	Pseudoidium lauracearum	E, W (35, 42, 52)
Leontodon hispidus	Podosphaera erigerontis-canadensis	E, W (44, 48)
Leontodon saxatilis	Golovinomyces cichoracearum	E
Lepidium draba ssp. draba	Erysiphe cruciferarum	E
Lepidium heterophyllum	Erysiphe cruciferarum	B
Leymus arenarius	Blumeria graminis s. l.	B
Ligustrum ovalifolium	Erysiphe syringae	E
Ligustrum sp.	Erysiphe syringae-japonicae	E
Ligustrum vulgare	Erysiphe syringae	E, W (44)
Limonium binervosum agg.	Erysiphe limonii	B
Limonium chiloense	Erysiphe limonii	B
Limonium platyphyllum	Erysiphe limonii	E
Limonium sinuatum	Erysiphe limonii	B
Limonium vulgare	Erysiphe limonii	E
Linaria maroccana	Golovinomyces orontii	E
Linaria purpurea	Golovinomyces orontii	E, W (44, 46)
Linaria repens	Golovinomyces orontii	W (46)
Linaria vulgaris	Golovinomyces orontii	W (44)
Linum sp.	Golovinomyces orontii	I, W (45)
Linum usitatissimum	Golovinomyces orontii	E, W (49)
	Podosphaera lini	E
Lithospermum officinale	Golovinomyces cynoglossi s. l.	B
Lolium multiflorum	Blumeria dactylidis	B
Lolium perenne	Blumeria dactylidis	E, S, W (44, 46, 52)
Lolium temulentum	Blumeria graminis s. l.	B
Lonicera × bella	Erysiphe lonicerae var. lonicerae	E
Lonicera caprifolium	Erysiphe lonicerae var. lonicerae	W (44)
Lonicera etrusca	Erysiphe lonicerae var. lonicerae	E
Lonicera japonica	Erysiphe lonicerae var. lonicerae	E, S, W (42-46, 48)
Lonicera korolkowii	Erysiphe lonicerae var. lonicerae	B
Lonicera nitida	Erysiphe lonicerae var. lonicerae	W (49)
Lonicera perfoliata	Erysiphe lonicerae var. lonicerae	E
Lonicera periclymenum	Erysiphe lonicerae var. lonicerae	E, I, S, W (42-44, 46-49)
Lonicera periclymenum 'Serotina'	Erysiphe lonicerae var. lonicerae	W (44, 45)
Lonicera similis var. delavayi	Erysiphe lonicerae var. lonicerae	E
Lonicera tatarica	Erysiphe lonicerae var. lonicerae	E
Lonicera tragophylla	Erysiphe lonicerae var. lonicerae	E
Lonicera xylosteum	Erysiphe lonicerae var. lonicerae	B
Lotus corniculatus	Erysiphe trifoliorum	E, I, S, W (44)

Lotus corniculatus var. sativus	Erysiphe trifoliorum	W (49)
Lotus pedunculatus	Erysiphe trifoliorum	E, W (44, 46)
Lotus tenuis	Erysiphe trifoliorum	E
Lunaria annua	Erysiphe cruciferarum	E, S, W (46, 49)
Lupinus albifrons	Erysiphe intermedia	B
Lupinus albus	Erysiphe intermedia	W (47)
Lupinus arboreus	Erysiphe intermedia	B
Lupinus argenteus	Erysiphe intermedia	B
Lupinus mutabilis	Erysiphe intermedia	B
Lupinus mutabilis 'Sunrise'	Erysiphe intermedia	W (42)
Lupinus nootkatensis	Erysiphe intermedia	B
Lupinus polyphyllus	Erysiphe intermedia	E
Lupinus × regalis	Erysiphe intermedia	W (43, 46)
Lupinus sp.	Erysiphe intermedia	E, S, W (35, 41, 43, 49-52)
Lupinus subcarnosus	Erysiphe intermedia	B
Lycium barbarum	Arthrocladiella mougeotii	E, W (43-46, 49, 50)
Lycium chinense	Arthrocladiella mougeotii	E, W (48, 50, 51)
Lycium sp.	Arthrocladiella mougeotii	E, I, S
Lycopsis arvensis	Erysiphe lycopsidis	E, S, W (44, 46)
	Golovinomyces cynoglossi s. l.	E
Lycopus europaeus	Erysiphe lycopsidis	E
	Golovinomyces biocellatus s. s.	E, W (46)
	Neoerysiphe galeopsidis	B
Lycopus sp.	Erysiphe lythri	E, I, W (47, 49, 50)
Lythrum salicaria	Erysiphe lythri	S
Lythrum sp.	Erysiphe lythri	S
Macleaya microcarpa	Erysiphe macleayae	E
Macleaya microcarpa 'Coral Plume'	Erysiphe macleayae	E
Magnolia kobus 'Borealis'	Erysiphe magnifica	E
Magnolia 'Sensation'	Erysiphe magnifica	E
Magnolia × soulangiana	Erysiphe magnifica	W (50, 51)
Magnolia spp. & cvs.	Erysiphe magnifica	E, W (41, 50, 51)
× Mahoberberis neubertii	Erysiphe berberidis var. berberidis	B
Mahonia aquifolium	Erysiphe berberidis var. berberidis	E, I, S, W (44, 46, 47, 49)
Mahonia fortunei	Erysiphe berberidis var. berberidis	E
Mahonia japonica	Erysiphe berberidis var. berberidis	B
Mahonia repens	Erysiphe berberidis var. berberidis	B
Mahonia sp.	Erysiphe berberidis var. berberidis	E, S
Malcomia maritima	Erysiphe cruciferarum	B
Malus baccata var. praecox	Podosphaera leucotricha	E
Malus cv.	Podosphaera leucotricha	E, I, S, W (35, 42, 52)
Malus domestica	Podosphaera leucotricha	E, I, S, W (42-44, 46-51)
Malus domestica 'Adam's Permain'	Podosphaera leucotricha	W (48)
Malus domestica 'American Mother'	Podosphaera leucotricha	W (49)
Malus domestica 'Ashmeads Kernel'	Podosphaera leucotricha	W (49)
Malus domestica 'Bramley's Seedling'	Podosphaera leucotricha	W (49)
Malus domestica 'Charles Ross'	Podosphaera leucotricha	W (49)
Malus domestica 'Claygate Permain'	Podosphaera leucotricha	W (49)
Malus domestica 'Crawley Beauty'	Podosphaera leucotricha	W (48)

Malus domestica 'Dockney'	Podosphaera leucotricha	I
Malus domestica 'Egremont Russet'	Podosphaera leucotricha	W (48, 49)
Malus domestica 'Greasy Pippin'	Podosphaera leucotricha	W (49)
Malus domestica 'Greensleeves'	Podosphaera leucotricha	W (49)
Malus domestica 'Herefordshire Russet'	Podosphaera leucotricha	W (48)
Malus domestica 'James Grieve'	Podosphaera leucotricha	W (43)
Malus domestica 'Katy'	Podosphaera leucotricha	W (49)
Malus domestica 'Monmouth Green'	Podosphaera leucotricha	W (49)
Malus domestica 'Wagener'	Podosphaera leucotricha	W (43)
Malus floribunda	Podosphaera leucotricha	E
Malus sylvestris	Podosphaera leucotricha	E, S, W (35, 42, 43)
Malus sylvestris s. l.	Podosphaera leucotricha	I
Malva olbia	Leveillula contractirostris	E
Malva sylvestris	Golovinomyces orontii	E, W (44)
Marrubium incanum	Neoerysiphe galeopsidis	B
Marrubium vulgare	Neoerysiphe galeopsidis	S
Matricaria chamomilla	Golovinomyces macrocarpus	E
	Podosphaera erigerontis-canadensis	W (49)
Matricaria discoidea	Golovinomyces macrocarpus	E
	Podosphaera erigerontis-canadensis	E, I, S, W (41-44, 46, 47, 49, 52)
Meconopsis betonicifolia	Erysiphe macleayae	E, S
Meconopsis horridula	Erysiphe macleayae	S
Medicago lupulina	Erysiphe pisi var. pisi	E, I, S, W (43, 44, 46, 48)
Medicago orbicularis	Erysiphe pisi var. pisi	B
Medicago sativa var. sativa	Erysiphe pisi var. pisi	E, W (41, 44)
Medusagyne oppositifolia	Podosphaera xanthii	E
Melampyrum pratense	Podosphaera phtheirospermi	B
Melilotus albus	Erysiphe pisi var. pisi	W (44)
	Erysiphe trifoliorum	E, W (44, 49)
Melilotus altissimus	Erysiphe trifoliorum	E, S, W (35, 41, 44, 46)
Melilotus indicus	Erysiphe trifoliorum	B
Melilotus officinalis	Erysiphe trifoliorum	E, W (49)
Melilotus sp.	Erysiphe trifoliorum	W (44)
Melissa officinalis	Golovinomyces monardae	E, W (44, 46, 47, 52)
	Neoerysiphe galeopsidis	W (46)
Melothria scabra	Golovinomyces cucurbitacearum	W (49)
Mentha aquatica	Golovinomyces monardae	E, I, W (42, 44, 46)
Mentha arvensis	Golovinomyces monardae	E, I
Mentha longifolia	Golovinomyces monardae	W (49)
Mentha × piperita	Golovinomyces monardae	E
Mentha requienii	Golovinomyces monardae	W (49)
Mentha × rotundifolia	Golovinomyces monardae	S
Mentha sp.	Golovinomyces monardae	W (41, 49)
Mentha spicata	Golovinomyces monardae	E, W (42, 43, 52)
Mentha suaveolens	Golovinomyces monardae	E, S, W (49, 52)
Mentha × villosa	Golovinomyces monardae	E, W (43, 44, 46)

Mentha × villosa var. alopecuroides	Golovinomyces monardae	E, W (49)
Mespilus germanica	Phyllactinia mali	B
	Podosphaera clandestina	B
Meum athamanticum	Nyssopsora echinata	S
Milium effusum	Blumeria graminis s. s.	E, W (35, 44)
Milium effusum 'Aureum'	Blumeria graminis s. s.	W (46)
Misopates orontium	Golovinomyces orontii	B
Molinia caerulea	Blumeria graminis s. l.	E
Monarda didyma	Golovinomyces monardae	E
	Neoerysiphe galeopsidis	E
Monarda sp.	Golovinomyces monardae	E
Monarda 'Vintage Wine'	Golovinomyces monardae	W (44)
Mycelis muralis	Golovinomyces cichoracearum	E, I, W (35, 41-44, 46, 47-49, 52)
Myosotis arvensis	Golovinomyces asperifolii	E, I, S, W (42-44, 46, 47-49, 51)
Myosotis discolor ssp. discolor	Golovinomyces asperifolii	W (44)
Myosotis ramosissima	Golovinomyces asperifolii	E, W (49)
Myosotis scorpiodes	Golovinomyces asperifolii	E
Myosotis sylvatica	Golovinomyces asperifolii	E, I, S, W (35, 41, 43, 46, 47, 49, 50)
Myosotis sylvatica var. culta	Golovinomyces asperifolii	E
Myrrhis odorata	Erysiphe heraclei	E, S
Nepeta cataria	Neoerysiphe galeopsidis	W (44)
Nepeta racemosa 'Blue Wonder'	Golovinomyces biocellatus s. l.	E
Nicotiana glauca	Golovinomyces orontii	W (41)
Nicotiana tabacum	Golovinomyces orontii	B
Nonea lutea	Golovinomyces cynoglossi s. l.	E
Odontites vernus	Podosphaera phtheirospermi	E, S, W (44, 50, 51)
Oenothera biennis	Erysiphe howeana	E, W (41)
Oenothera cambrica	Erysiphe howeana	W (46, 49)
Oenothera × fallax	Erysiphe howeana	W (43, 46)
Oenothera glazioviana	Erysiphe howeana	E, W (41, 44, 46, 49)
Oenothera indecora	Erysiphe howeana	B
Oenothera odorata	Erysiphe howeana	B
Oenothera ravenii	Erysiphe howeana	B
Oenothera sp.	Erysiphe howeana	E, W (41, 45, 51)
Oenothera stricta	Erysiphe howeana	W (46)
Omphalodes sp.	Golovinomyces cynoglossi s. l.	E
Onobrychis viciifolia	Erysiphe trifoliorum	E
Ononis repens	Erysiphe pisi var. cruchetiana	E, S, W (41, 44, 46, 48, 51)
Ononis sp.	Erysiphe pisi var. cruchetiana	S
Ononis spinosa	Erysiphe pisi var. cruchetiana	E
Onopordum acanthium	Golovinomyces depressus	E, S
Onopordum illyricum	Golovinomyces depressus	S
Origanum sp.	Neoerysiphe galeopsidis	S
Origanum vulgare	Golovinomyces monardae	E, W (42)
	Neoerysiphe galeopsidis	E, W (52)
Oxalis acetosella	Leveillula oxalidicola	E

Oxalis corniculata	Erysiphe russellii	E, S, W (43)
Oxalis corniculata var. atropurpurea	Erysiphe russellii	E
Oxalis exilis	Erysiphe russellii	E, W (44)
Oxalis rosea	Erysiphe russellii	E, S
Oxalis sp.	Erysiphe russellii	S, W (48, 51)
Oxalis stricta	Erysiphe russellii	E, W (48, 51)
Pachycymbium sp.	Leveillula taurica s. l.	E
Papaver cambricum cv.	Erysiphe macleayae	E, W (42, 46, 49, 51)
Papaver dubium	Erysiphe cruciferarum	E, W (46)
	Golovinomyces orontii	E, W (46, 52)
Papaver lecoqii	Golovinomyces orontii	E
Papaver orientale	Erysiphe cruciferarum	B
Papaver rhoeas	Erysiphe cruciferarum	E, W (46)
	Golovinomyces orontii	E, W (46, 49)
Papaver rhoeas var. wilkesii	Golovinomyces orontii	E
Papaver 'Shirley Hybrid'	Erysiphe cruciferarum	S
Papaver somniferum	Erysiphe cruciferarum	E, W (46)
	Golovinomyces orontii	E, S, W (43, 46, 48, 49, 52)
Parapholis sp.	Blumeria graminis s. l.	E
Parietaria judaica	Oidiopsis parietariae	E
	Podosphaera parietariae	E, W (46, 49)
Parthenocissus inserta	Erysiphe necator	B
Parthenocissus quinquefolia	Erysiphe necator	W (51)
Parthenocissus tricuspidata	Erysiphe necator	B
Passiflora caerulea	Pseudoidium passiflorae	W (41, 46)
Pastinaca sativa	Erysiphe heraclei	E, S, W (44)
Pastinaca sativa ssp. sativa	Erysiphe heraclei	E, W (42)
Pastinaca sativa ssp. sylvestris	Erysiphe heraclei	E
Patrinia scabiosifolia	Golovinomyces orontii	W (44)
Pedicularis sylvatica	Podosphaera phtheirospermi	S
Pedilanthus sp.	Podosphaera euphorbiae-hirtae	E
Pelargonium sp.	Fibroidium pelargonii	S
Penstemon cv.	Golovinomyces orontii	E
Pentaglottis sempervirens	Erysiphe lycopsidis	E, S, W (44, 46, 49, 50, 52)
	Golovinomyces cynoglossi s. l.	E
Pericallis × hybrida	Podosphaera pericallidis	E, S
Pericallis Senetti Series	Podosphaera pericallidis	W (49)
Persicaria amphibia	Erysiphe polygoni	B
Persicaria lapathifolia	Erysiphe polygoni	S, W (46)
Persicaria maculosa	Erysiphe polygoni	E
Petasites albus	Golovinomyces cichoracearum	E
Petroselinum crispum	Erysiphe heraclei	E, S, W (44)
Petroselinum crispum var. neapolitanum	Erysiphe heraclei	W (44)
Petunia cv.	Golovinomyces longipes	W (46, 48)
Petunia × hybrida	Golovinomyces longipes	E, I, S, W (35, 41, 46, 50-52)
	Golovinomyces orontii	E, W (43, 44, 46, 49)

Petunia sp.	Golovinomyces orontii	E, W (43)
	Podosphaera solanacearum	S
Phalaris arundinacea	Blumeria graminis s. l.	E
Phedimus sp.	Erysiphe sedi	B
Phedimus spuriosus	Erysiphe sedi	B
	Golovinomyces orontii	B
Philadelphus sp.	Golovinomyces orontii	B
Philadelphus × virginalis	Golovinomyces orontii	W (44)
Phleum pratense	Blumeria graminis s. l.	B
Phlox divaricata	Golovinomyces magnicellulatus var. magnicellulatus	E
Phlox drummondii	Golovinomyces magnicellulatus var. magnicellulatus	E
Phlox paniculata	Golovinomyces magnicellulatus var. magnicellulatus	E, I, W (44, 46)
	Podosphaera xanthii	W (41, 46)
Phlox paniculata 'Border Gem'	Golovinomyces magnicellulatus var. magnicellulatus	W (47)
Phlox paniculata 'Fujiyama'	Golovinomyces magnicellulatus var. magnicellulatus	E
	Podosphaera xanthii	E
Phlox paniculata 'Louis Blanc'	Golovinomyces magnicellulatus var. magnicellulatus	S
Phlox sp.	Golovinomyces magnicellulatus var. magnicellulatus	E, W (35, 41, 44, 46, 47, 50, 51)
	Podosphaera collomiae	E
	Podosphaera xanthii	E
Photinia serratifolia var. serratifolia	Podosphaera leucotricha	B
Physocarpus sp.	Podosphaera physocarpis	B
Picris hieracioides	Golovinomyces cichoracearum	E, W (44)
Picris sp.	Leveillula picridis	B
Pilosella aurantiaca	Golovinomyces hieraciorum	W (41, 45)
Pilosella aurantiaca ssp. carpathicola	Golovinomyces hieraciorum	E, W (43, 46, 47, 49)
Pilosella officinarum	Golovinomyces hieraciorum	I, W (46)
Pilosella officinarum var. officinarum	Golovinomyces hieraciorum	E
Pilosella officinarum var. trichosoma	Golovinomyces hieraciorum	S
Pimpinella major	Erysiphe heraclei	E
Pimpinella saxifraga	Erysiphe heraclei	E, W (46, 47, 52)
Plantago coronopus	Golovinomyces sordidus	E, I, W (44, 46)
	Podosphaera plantaginis	E
Plantago lanceolata	Golovinomyces sordidus	E, S, W (41, 44-48)
	Podosphaera plantaginis	E, I, S, W (35, 41, 43-47, 49-52)
Plantago major	Golovinomyces sordidus	E, I, S, W (35, 41-47, 49, 51)
	Podosphaera plantaginis	E, S
Plantago major 'Rosularis'	Golovinomyces sordidus	W (44)
Plantago major 'Rubrifolia'	Golovinomyces sordidus	W (42)
Plantago major ssp. intermedia var. intermedia	Golovinomyces sordidus	E

Plantago major ssp. intermedia var. salina	Golovinomyces sordidus	W (46)
Plantago major ssp. major	Golovinomyces sordidus	W (35, 41-48, 50)
Plantago maritima	Golovinomyces sordidus	E, I, S, W (35, 41, 44-46, 51)
Plantago media	Golovinomyces sordidus	E, W (44)
	Podosphaera plantaginis	E
Plantago sp.	Golovinomyces sordidus	W (48, 49, 52)
Platanus × hispanica	Erysiphe platani	E, W (44, 48-51)
Platanus orientalis	Erysiphe platani	E
Platanus sp.	Erysiphe platani	I, W (35, 41, 49-51)
Plectranthus scutellarioides	Golovinomyces biocellatus s. l.	E
Poa annua	Blumeria graminicola	B
Poa humilis	Blumeria graminicola	S, W (46)
Poa nemoralis	Blumeria graminicola	E, W (35)
Poa pratensis s. l.	Blumeria graminicola	E, W (35)
Poa pratensis s. str.	Blumeria graminicola	E, W (41, 46)
Poa sp.	Blumeria graminicola	S
Poa trivialis	Blumeria graminicola	E, W (35, 42-44, 46)
Polemonium caeruleum	Golovinomyces magnicellulatus var. magnicellulatus	E
	Podosphaera polemonii	E
Polemonium sp.	Podosphaera polemonii	S
	Podosphaera xanthii	E
Polygonum agrestinum	Erysiphe polygoni	E, W (46-48)
Polygonum arenastrum	Erysiphe polygoni	E, W (49)
Polygonum aviculare s. l.	Erysiphe polygoni	E, S, W (41, 43, 44, 46)
Polygonum aviculare s. s.	Erysiphe polygoni	S, W (35, 41-44, 46, 49)
Polygonum chamaechyton	Erysiphe polygoni	W (46)
Polygonum depressum	Erysiphe polygoni	W (43)
Polygonum oxyspermum	Erysiphe polygoni	E
Polygonum polycnemiforme	Erysiphe polygoni	W (46, 48)
Populus alba	Erysiphe adunca	E
Populus × canadensis 'Serotina'	Erysiphe adunca	E
Populus × canescens	Erysiphe adunca	E
Populus × jackii 'Gileadensis'	Erysiphe adunca	B
Populus nigra	Erysiphe adunca	E, W (51)
Populus nigra ssp. betulifolia	Erysiphe adunca	W (46)
Populus nigra 'Italica'	Erysiphe adunca	E
Populus tremula	Erysiphe adunca	E, W (44)
Populus trichocarpa	Erysiphe adunca	W (44)
Potentilla anglica	Podosphaera aphanis var. aphanis	E, W (46)
Potentilla anserina	Podosphaera aphanis var. aphanis	E, I
Potentilla erecta	Podosphaera aphanis var. aphanis	E, S, W (46, 49)
Potentilla erecta ssp. erecta	Podosphaera aphanis var. aphanis	S, W (41-43, 46, 48)
Potentilla × mixta	Podosphaera aphanis var. aphanis	E, W (42, 43)
Potentilla recta	Podosphaera aphanis var. aphanis	E
Potentilla reptans	Podosphaera aphanis var. aphanis	E, I, S, W (42, 44, 46, 49, 52)
Potentilla sterilis	Podosphaera aphanis var. aphanis	E, W (43, 44, 46, 49)

Potentilla × suberecta	Podosphaera aphanis var. aphanis	W (46, 49)
Poterium sanguisorba ssp. balearicum	Podosphaera ferruginea var. ferruginea	E
Poterium sanguisorba ssp. sanguisorba	Podosphaera ferruginea var. ferruginea	E, I, W (50, 52)
Primula obconica	Fibroidium primulae-obconicae	W (51)
Prunella vulgaris	Golovinomyces biocellatus s. l.	E
Prunus armeniaca	Podosphaera tridactyla s. s.	E
Prunus avium	Phyllactinia mali	B
	Podosphaera pruni-avium	B
Prunus cerasifera	Erysiphe prunastri	B
Prunus cerasus	Phyllactinia mali	B
Prunus domestica	Podosphaera ampla	E, S, I, W (35, 49)
	Podosphaera pannosa	E
Prunus domestica ssp. domestica	Podosphaera ampla	E
Prunus domestica ssp. insititia	Podosphaera ampla	W (43, 46)
Prunus domestica ssp. insititia var. damascena	Podosphaera ampla	E, W (46)
Prunus domestica ssp. insititia var. nigra	Erysiphe prunastri	W (46)
	Podosphaera ampla	W (42, 43, 46)
Prunus domestica var. damascena	Erysiphe prunastri	W (46)
Prunus dulcis	Podosphaera pannosa	B
Prunus laurocerasus	Podosphaera pannosa	E, W (46)
	Podosphaera tridactyla s. s.	E, I, S, W (46, 49)
Prunus lusitanica	Podosphaera pannosa	E, W (46)
	Podosphaera pruni-lusitanicae	E, I
Prunus mahaleb	Erysiphe prunastri	E
Prunus padus	Erysiphe prunastri	B
	Podosphaera tridactyla s. s.	E, S, W (42, 43)
Prunus persica	Podosphaera pannosa	E
	Podosphaera tridactyla s. s.	E
Prunus spinosa	Erysiphe prunastri	E, I, S, W (41-44, 46, 47, 49-51)
	Phyllactinia mali	W (42)
	Podosphaera ampla	E, I, S, W (35, 42-44, 46, 52)
Pseudofumaria lutea	Erysiphe cruciferarum	E, W (44)
Pulicaria dysenterica	Golovinomyces inulae	E
	Podosphaera erigerontis-canadensis	E
	Podosphaera xanthii	E
Pulicaria sp.	Golovinomyces inulae	E
Pulmonaria 'Blue Ensign'	Golovinomyces asperifoliorum	W (44, 50)
Pulmonaria cv.	Golovinomyces asperifoliorum	E, W (41, 49)
Pulmonaria longifolia	Golovinomyces asperifoliorum	W (46)
Pulmonaria 'Mawson's Blue'	Golovinomyces asperifoliorum	W (42)
Pulmonaria officinalis	Golovinomyces asperifoliorum	E, W (35, 42-44, 46, 49, 50)
Pulmonaria saccharata	Golovinomyces asperifoliorum	E
Pulmonaria saccharata 'Mrs. Moon'	Golovinomyces asperifoliorum	W (50, 52)
Pulmonaria 'Sissinghurst White'	Golovinomyces asperifoliorum	W (50)

Pulmonaria 'Tivoli'	Golovinomyces asperifoliorum	W (41)
Pyracantha coccinea	Phyllactinia mali	E
Pyracantha sp.	Podosphaera clandestina	E
Pyrus calleryana	Podosphaera clandestina	W (42, 43, 46)
Pyrus communis	Podosphaera leucotricha	E
Pyrus sp.	Podosphaera clandestina	W (46)
Quercus alba	Erysiphe alphitoides	I
Quercus bicolor	Erysiphe alphitoides	I
Quercus canariensis	Erysiphe alphitoides	W (35)
Quercus cerris	Erysiphe alphitoides	E
Quercus × crenata 'Pseudoturneri'	Erysiphe alphitoides	I
Quercus dentata	Erysiphe alphitoides	I
Quercus dentata 'Pinnatifida'	Erysiphe alphitoides	W (42)
Quercus frainetto	Erysiphe alphitoides	W (42)
Quercus glandulifera	Erysiphe alphitoides	I
Quercus × hickelii	Erysiphe alphitoides	W (42)
Quercus ilex	Erysiphe alphitoides	E
Quercus petraea	Erysiphe alphitoides	E, I, S, W (42-50)
	Erysiphe hypophylla	W (46)
Quercus petraea 'Insecata'	Erysiphe alphitoides	W (42)
Quercus petraea 'Mespilifolia'	Erysiphe alphitoides	I
Quercus pubescens	Erysiphe alphitoides	E
Quercus pyrenaica	Erysiphe alphitoides	E
Quercus robur	Erysiphe alphitoides	E, I, S, W (35,41-44,46-51)
	Erysiphe hypophylla	E, W (46)
Quercus robur (Fastigiata Group)	Erysiphe alphitoides	I
'Koster'		
Quercus robur 'Cristata Group'	Erysiphe alphitoides	W (42)
Quercus robur 'Fenessii'	Erysiphe alphitoides	I, W (42)
Quercus robur 'Fürst	Erysiphe alphitoides	W (42)
'Schwarzenburg'		
Quercus robur 'Purpurea'	Erysiphe alphitoides	W (42)
Quercus × rosacea	Erysiphe alphitoides	E, I, W (42, 45-49)
	Erysiphe hypophylla	W (45)
Quercus rubra	Erysiphe alphitoides	E
Quercus serrata	Erysiphe alphitoides	W (42)
Quercus sp.	Erysiphe alphitoides	E, I, S, W (35, 43)
Quercus velutina	Erysiphe alphitoides	E
Ranunculus acris	Erysiphe aquilegiae var. aquilegiae	E, W (42, 49)
	Erysiphe aquilegiae var. ranunculi	E, I, S, W (35, 41-44, 46, 47, 50, 52)
Ranunculus auricomus	Erysiphe aquilegiae var. ranunculi	E, S
Ranunculus bulbosus	Erysiphe aquilegiae var. ranunculi	E, W (35, 46)
Ranunculus flammula	Erysiphe aquilegiae var. ranunculi	I, S, W (43, 46)
Ranunculus lingua	Erysiphe aquilegiae var. ranunculi	E
Ranunculus marginatus	Erysiphe aquilegiae var. ranunculi	E
Ranunculus muricatus	Erysiphe aquilegiae var. ranunculi	S
Ranunculus ophioglossifolius	Erysiphe aquilegiae var. ranunculi	E
Ranunculus repens	Erysiphe aquilegiae var. aquilegiae	E, I

Ranunculus repens	Erysiphe aquilegiae var. ranunculi	E, I, S, W (35, 42-47, 49-51)
Ranunculus sardous	Erysiphe aquilegiae var. ranunculi	E
Ranunculus sceleratus	Erysiphe aquilegiae var. ranunculi	B
Ranunculus serbicus	Erysiphe aquilegiae var. ranunculi	B
Ranunculus sp.	Erysiphe aquilegiae var. ranunculi	E, W (48)
Raphanus raphanistrum ssp. maritimus	Erysiphe cruciferarum	E, W (44, 49, 52)
Raphanus raphanistrum ssp. raphanistrum	Erysiphe cruciferarum	B
Raphanus sativus	Erysiphe cruciferarum	B
Reynoutria japonica	Erysiphe polygona	E
Rhamnus alaternus	Erysiphe friesii var. friesii	E
Rhamnus cathartica	Erysiphe friesii var. friesii	E, S, W (51)
Rhinanthus minor	Podospaera phtheirospermi	E, S
Rhododendron brachyanthum	Erysiphe azaleae	B
Rhododendron campylocarpum	Erysiphe azaleae	B
Rhododendron carolinianum × leucaspis	Erysiphe azaleae	S
Rhododendron cinnabarinum	Erysiphe azaleae	S
Rhododendron cinnabarinum 'Roylei Group'	Erysiphe azaleae	S
Rhododendron 'Cynthia'	Erysiphe azaleae	S
Rhododendron dichroanthum	Erysiphe azaleae	B
Rhododendron 'Exberry Hybrid'	Erysiphe azaleae	S
Rhododendron forrestii 'Repens' × griersonianum	Erysiphe azaleae	S
Rhododendron fortune	Erysiphe azaleae	B
Rhododendron griffithianum	Erysiphe azaleae	B
Rhododendron luteum	Erysiphe azaleae	E, I, W (47)
Rhododendron magnificum × occidentale	Erysiphe azaleae	S
Rhododendron occidentale 'Superba'	Erysiphe azaleae	S
Rhododendron ponticum	Erysiphe azaleae	E, S, W (45, 48, 49)
Rhododendron rhodoleucum	Erysiphe azaleae	S
Rhododendron sp.	Erysiphe azaleae	E, S, W (35, 41, 45, 47-52)
	Phyllactinia enkianthi	S
Rhododendron sp. 'Azalea Group'	Erysiphe azaleae	E, W (42, 43, 46, 47)
Rhododendron thomsonii	Erysiphe azaleae	B
Rhododendron × superponticum	Erysiphe azaleae	W (46)
Rhoicissus rhomboidea	Erysiphe necator var. necator	S
Rhus sp.	Podospaera pruinosa	E
Rhus typhina	Podospaera pruinosa cf.	E
Ribes alpinum	Erysiphe grossulariae	E, S
Ribes fasciculatum	Erysiphe grossulariae	B
	Podospaera mors-uvae	B
Ribes laurifolium	Erysiphe grossulariae	B
Ribes × nidigrolaria	Erysiphe grossulariae	B

Ribes nigrum	Erysiphe grossulariae	E, S
	Podosphaera mors-uvae	E, S, W (43, 46)
Ribes rubrum	Erysiphe grossulariae	E
	Podosphaera mors-uvae	S, W (43, 50, 52)
Ribes sanguineum	Erysiphe grossulariae	E, S
	Podosphaera mors-uvae	E, S, W (42-44, 46, 49)
Ribes sp.	Phyllactinia ribis	E
	Podosphaera mors-uvae	I
Ribes uva-crispa	Erysiphe grossulariae	E, S, W (35, 42, 44, 46, 50, 51)
	Podosphaera mors-uvae	E, S, W (42, 43, 46, 49)
Ricinus communis	Golovinomyces orontii	B
Ricinus sp.	Leveillula ricini	E
Robinia hispida	Erysiphe pseudacaciae	B
Robinia pseudoacacia	Erysiphe pseudacaciae	E
Robinia sp.	Erysiphe pseudacaciae	W (41)
	Erysiphe robiniae	E, S, W (41)
Rosa × alba	Podosphaera pannosa	B
Rosa 'Albertine'	Podosphaera pannosa	W (49)
Rosa 'American Pillar' cf.	Podosphaera pannosa	W (44, 46)
Rosa arvensis	Podosphaera pannosa	E, S, W (42-44, 46-48)
Rosa 'Brenda Colvin'	Podosphaera pannosa	W (49)
Rosa canina	Podosphaera pannosa	W (41, 44, 46)
Rosa canina agg.	Podosphaera pannosa	E, S, W (35, 42, 43, 46)
Rosa centifolia	Podosphaera pannosa	B
Rosa 'Charlotte'	Podosphaera pannosa	E
Rosa cvs.	Podosphaera pannosa	E, S, W (41, 43, 44, 49)
Rosa damascena	Podosphaera pannosa	B
Rosa 'Dorothy Perkins'	Podosphaera pannosa	E, W (41, 43, 44, 47, 49)
Rosa 'Dublin Bay'	Podosphaera pannosa	W (42)
Rosa × dumalis	Podosphaera pannosa	B
Rosa filipes 'Kiftsgate'	Podosphaera pannosa	W (43)
Rosa 'Floribunda Group'	Podosphaera pannosa	W (44)
Rosa gallica	Podosphaera pannosa	B
Rosa × irregularis	Podosphaera pannosa	E
Rosa 'L. D. Braithwaite'	Podosphaera pannosa	E
Rosa micrantha	Podosphaera pannosa	E
Rosa 'Minnehaha'	Podosphaera pannosa	E, W (42)
Rosa mollis	Podosphaera pannosa	W (50)
Rosa 'Mulliganii'	Podosphaera pannosa	E, W (46)
Rosa multiflora	Podosphaera pannosa	E, W (46, 49)
Rosa 'Paul Transom'	Podosphaera pannosa	W (47)
Rosa 'Paul's Himalayan Musk'	Podosphaera pannosa	W (42, 43)
Rosa 'Polyantha'	Podosphaera pannosa	B
Rosa 'Princess Alexandra of Kent'	Podosphaera pannosa	E
Rosa rubiginosa	Podosphaera pannosa	B
Rosa rugosa	Podosphaera pannosa	E, W (43, 46, 49)
Rosa sericea ssp. omeiensis	Podosphaera pannosa	S
Rosa setigera hybrid	Podosphaera pannosa	W (46)

Rosa sherardii	Podosphaera pannosa	W (46)
Rosa sp.	Podosphaera pannosa	E, I, S, W (35, 41, 46)
Rosa spinosissima	Podosphaera pannosa	E
Rosa squarrosa	Podosphaera pannosa	E
Rosa 'Thomas à Becket'	Podosphaera pannosa	E
Rosa tomentosa	Podosphaera pannosa	B
Rosa 'Vanessa Bell'	Podosphaera pannosa	E
Rosa virginiana	Podosphaera pannosa	B
Rosa 'Winchester Cathedral'	Podosphaera pannosa	E
Rosa 'Zéphirine Drouhin'	Podosphaera pannosa	W (43)
Rosmarinus officinalis	Golovinomyces monardae	E
	Neoerysiphe galeopsidis	E, S
Rosmarinus sp.	Golovinomyces monardae	B
Rosularia sp.	Pseudoidium kalanchoes	S
Rubia peregrina	Neoerysiphe galii	B
Rubus caesius	Podosphaera aphanis var. aphanis	E
Rubus discolor	Podosphaera aphanis var. aphanis	B
Rubus fruticosus agg.	Podosphaera aphanis var. aphanis	E, W (41)
Rubus idaeus	Podosphaera aphanis var. aphanis	E, S, W (46)
Rubus loganobaccus	Podosphaera aphanis var. aphanis	B
Rudbeckia sp.	Golovinomyces ambrosiae	B
Rumex acetosa	Erysiphe polygoni	E, W (49)
Rumex acetosella	Erysiphe polygoni	E, S, W (46, 47, 49)
Rumex crispus ssp. crispus	Erysiphe polygoni	E, W (46)
Rumex obtusifolius	Erysiphe polygoni	E
Rumex sanguineus var. viridis	Erysiphe polygoni	E
Rumex scutatus	Erysiphe polygoni	S
Salix alba	Erysiphe adunca	E
Salix aurita	Erysiphe adunca	E, S, W (44)
Salix caprea	Erysiphe adunca	E, I, S, W (35, 41-46, 48)
	Erysiphe capreae	E, I, S, W (35, 41-44, 46, 47-52)
Salix cinerea ssp. cinerea	Erysiphe adunca	E
Salix cinerea ssp. oleifolia	Erysiphe adunca	E, S, W (35, 41-50)
Salix daphnoides	Erysiphe adunca	B
Salix × fragilis	Erysiphe adunca	E, W (49)
Salix × fruticosa	Erysiphe adunca	E
Salix hastata	Erysiphe adunca	E
Salix × holosericea	Erysiphe adunca	W (46)
Salix × ludificans	Erysiphe adunca	B
Salix × multinervis	Erysiphe adunca	E
Salix myrsinifolia	Erysiphe adunca	B
Salix nigra	Erysiphe adunca	B
Salix phylicifolia	Erysiphe adunca	S
Salix × puberula	Erysiphe adunca	B
Salix purpurea	Erysiphe adunca	B
Salix × reichardtii	Erysiphe adunca	E, W (42)
Salix repens	Erysiphe adunca	E, W (44, 52)
Salix repens var. argentea	Erysiphe adunca	E, W (41)

Salix × smithiana	Erysiphe adunca	B
Salix sp.	Erysiphe adunca	E, S, W (47)
Salix triandra	Erysiphe adunca	E
Salix viminalis	Erysiphe adunca	B
Salvia nemorosa	Golovinomyces salviae	E
Salvia officinalis	Golovinomyces biocellatus s. l.	S
	Golovinomyces neosalviae	E, I, S, W (42, 48, 49, 50)
	Neoerysiphe galeopsidis	E
Salvia sp.	Golovinomyces biocellatus s. l.	W (46, 50)
	Golovinomyces salviae	E
Salvia × superba	Golovinomyces biocellatus s. l.	B
Salvia verbenaca	Golovinomyces salviae	E
	Neoerysiphe galeopsidis	E
Salvia verbenaca ssp. horminoides	Golovinomyces salviae	E
Salvia verticillata	Golovinomyces biocellatus s. l.	E
Sambucus nigra	Erysiphe vanbruntiana var. sambuci-racemosae	E, W (44)
Sambucus racemosa	Erysiphe vanbruntiana var. sambuci-racemosae	E, S, W (44, 51)
Sambucus racemosa var. callicarpa	Erysiphe vanbruntiana var. sambuci-racemosae	E
Sanguisorba officinalis	Podosphaera ferruginea var. ferruginea	E, W (41, 42-44, 46, 47, 50, 52)
Scabiosa atropurpurea	Erysiphe knautiae	E, W (42)
	Podosphaera dipsacacearum	E
Scabiosa columbaria	Erysiphe knautiae	E, S, W (44, 52)
Scabiosa columbaria ssp. ochroleuca	Erysiphe knautiae	E
Scabiosa longifolia	Erysiphe knautiae	B
Scabiosa lucida	Erysiphe knautiae	B
Scabiosa sp.	Erysiphe knautiae	E, S, W (50)
Schedonorus arundinaceus	Blumeria graminis s. l.	E, W (44)
Schedonorus giganteus	Blumeria graminis s. l.	E
Schedonorus pratensis	Blumeria graminis s. l.	W (44)
Scorzonera hispanica	Golovinomyces cichoracearum	B
Scorzonera humilis	Golovinomyces cichoracearum	B
Scorzonera sp.	Golovinomyces cichoracearum	E
Scorzoneroides autumnalis	Golovinomyces cichoracearum	E, S
	Podosphaera erigerontis- canadensis	E, W (43)
Scorzoneroides sp.	Golovinomyces cichoracearum	B
Secale cereale	Blumeria graminis s. s.	E
Securigera varia	Erysiphe trifoliorum	E, W (46)
Sedum jepsonii	Erysiphe sedi	S
Sedum praealtum	Erysiphe sedi	S
Sedum rubroglaucum	Erysiphe sedi	S
Senecio sarracenicus	Golovinomyces fischeri	E
	Podosphaera senecionis	E
Senecio squalidus	Golovinomyces fischeri	E
Senecio sylvaticus	Golovinomyces fischeri	E, W (46, 49, 52)

Senecio viscosus	Golovinomyces fischeri	E, S, W (44)
Senecio vulgaris	Golovinomyces fischeri	E, I, S, W (35, 42-44, 46, 47, 49-52)
Senecio vulgaris	Podosphaera senecionis	E, I, W (42, 43, 46, 48)
Senna stirtonii	Erysiphe pisi var. pisi	E
Sidalcea malviflora	Leveillula contractirostris	W (50)
Sideritis sp.	Neoerysiphe galeopsidis	S
Silene coronaria	Erysiphe buhrii	E
Silene dioica	Erysiphe buhrii	E, W (45, 46, 49, 52)
Silene latifolia ssp. alba	Erysiphe buhrii	E, W (46)
Silene nutans	Erysiphe buhrii	B
Silene sp.	Erysiphe buhrii	W (49, 52)
Silene vulgaris	Erysiphe buhrii	W (44)
Silybum eburneum	Golovinomyces montagnei	B
Sinapis arvensis	Erysiphe cruciferarum	E, S W (49)
Sisymbrium altissimum	Erysiphe cruciferarum	E
Sisymbrium irio	Erysiphe cruciferarum	E
Sisymbrium officinale	Erysiphe cruciferarum	E, I, S, W (41-44, 46, 48-50)
Sisymbrium strictissimum	Erysiphe cruciferarum	B
Smyrniolum olusatrum	Erysiphe heraclei	E, W (46)
Solanum lycopersicum	Pseudoidium neolycopersici	W (49)
Solanum tuberosum	Golovinomyces orontii	E, W (49)
Solanum tuberosum 'Majestic'	Golovinomyces orontii	S
Solidago arguta var. bootii	Golovinomyces asterum var. solidaginis	B
Solidago buckleyi	Golovinomyces asterum var. solidaginis	B
Solidago californica	Golovinomyces asterum var. solidaginis	B
Solidago canadensis	Golovinomyces asterum var. solidaginis	E
Solidago canadensis ssp. altissima	Golovinomyces asterum var. solidaginis	W (42)
Solidago canadensis ssp. canadensis	Golovinomyces asterum var. solidaginis	W (42)
Solidago cv.	Golovinomyces asterum var. solidaginis	E
Solidago elongata	Golovinomyces asterum var. solidaginis	B
Solidago flexicaulis	Golovinomyces asterum var. solidaginis	B
Solidago gigantea ssp. serotina	Golovinomyces asterum var. solidaginis	E, W (46)
Solidago glomerata	Golovinomyces asterum var. solidaginis	B
Solidago 'Goldenmosa'	Golovinomyces asterum var. solidaginis	W (46)
Solidago 'Goldkind'	Golovinomyces asterum var. solidaginis	W (47)

Solidago juncea	Golovinomyces asterum var. solidaginis	B
Solidago missouriensis	Golovinomyces asterum var. solidaginis	B
Solidago mollis	Golovinomyces asterum var. solidaginis	E
Solidago multiradiata	Golovinomyces asterum var. solidaginis	B
Solidago nemoralis	Golovinomyces asterum var. solidaginis	B
Solidago petiolaris	Golovinomyces asterum var. solidaginis	B
Solidago ptarmicoides	Golovinomyces asterum var. solidaginis	B
Solidago rigida	Golovinomyces asterum var. solidaginis	B
Solidago sempervirens	Golovinomyces asterum var. solidaginis	B
Solidago sp.	Golovinomyces asterum var. solidaginis	E, I, S
Solidago virgaurea	Golovinomyces asterum var. solidaginis	E, S, W (41, 42, 46, 49, 52)
× Solidaster luteus	Golovinomyces asterum var. solidaginis	B
Sonchus arvensis	Golovinomyces sonchicola	E, S, W (42, 44, 46, 48)
Sonchus asper	Golovinomyces sonchicola	E, I, S, W (35, 41-49)
Sonchus asper ssp. glaucescens	Golovinomyces sonchicola	W (46)
Sonchus oleraceus	Golovinomyces sonchicola	E, I, S, W (35, 41-49, 52)
Sonchus palustris	Golovinomyces sonchicola	B
Sonchus pinnatifidus	Golovinomyces sonchicola	B
Sophora flavescens	Erysiphe diffusa	B
Sophora japonica	Erysiphe diffusa	B
Sorbaria sorbifolia	Erysiphe alphitoides	E
Sorbus aria	Podosphaera aucupariae	E
Sorbus aucuparia	Podosphaera aucupariae	E, I, S, W (41-44, 46, 48)
Spartium junceum	Erysiphe rayssiae	E
Spinacia oleracea	Erysiphe betae	E
Spiraea × arguta	Podosphaera spiraeae	E
Spiraea × billardii	Podosphaera spiraeae	W (46)
Spiraea × bumalda	Podosphaera spiraeae	W (35)
Spiraea cantoniensis 'Flore Pleno'	Podosphaera spiraeae	E
Spiraea douglasii	Podosphaera clandestina	B
	Podosphaera spiraeae	E
Spiraea japonica cv.	Podosphaera spiraeae	E, W (43, 46)
Spiraea salicifolia	Podosphaera clandestina	B
Spiraea sp.	Podosphaera spiraeae	E, I, S, W (35, 41, 43, 46, 47, 49-52)
	Podosphaera clandestina	E
Stachys alpina	Neoerysiphe galeopsidis	B

Stachys × ambigua	Neoerysiphe galeopsidis	E, S, W (49)
Stachys arvensis	Neoerysiphe galeopsidis	E, W (42, 46, 49)
Stachys byzantina	Neoerysiphe galeopsidis	E, S, W, (47-52)
Stachys byzantina 'Big Ears'	Neoerysiphe galeopsidis	W (46)
Stachys germanica	Neoerysiphe galeopsidis	E
Stachys palustris	Neoerysiphe galeopsidis	E, I, S, W (41, 45, 46, 52)
Stachys sylvatica	Neoerysiphe galeopsidis	E, I, S, W (35, 41-44, 46-50, 52)
Stranvaesia davidiana	Podosphaera leucotricha	S
Streptocarpus sp.	Golovinomyces orontii	S
Succisa pratensis	Erysiphe knautiae	E, I, S, W (41-44, 46, 47, 49)
Symphoricarpos albus	Erysiphe symphoricarpi	E, S, W (41, 44, 46, 48-51)
Symphoricarpos × chenaultii	Erysiphe symphoricarpi	E
Symphoricarpos sp.	Erysiphe symphoricarpi	E, I, W (35, 41-44, 47, 50, 51)
Symphyotrichum cordifolium	Golovinomyces asterum var. morczkovskii	W (44)
Symphyotrichum ericoides	Golovinomyces asterum var. morczkovskii	E, W (44)
Symphyotrichum laeve	Golovinomyces asterum var. morczkovskii	B
Symphyotrichum lanceolatum	Golovinomyces asterum var. morczkovskii	B
Symphyotrichum novae-angliae	Golovinomyces asterum var. morczkovskii	E, W (42, 44)
Symphyotrichum novi-belgii	Golovinomyces asterum var. morczkovskii	E, S, W (43)
Symphyotrichum pilosum	Golovinomyces asterum var. morczkovskii	B
Symphyotrichum praealtum	Golovinomyces asterum var. morczkovskii	B
Symphyotrichum puniceum	Golovinomyces asterum var. morczkovskii	W (43)
Symphyotrichum × salignum	Golovinomyces asterum var. morczkovskii	W (44, 46)
Symphyotrichum sp.	Golovinomyces asterum var. morczkovskii	E, S, W (42, 43, 46, 47, 49, 52)
Symphyotrichum tradescantii	Golovinomyces asterum var. morczkovskii	B
Symphyotrichum turbinellum	Golovinomyces asterum var. morczkovskii	B
Symphyotrichum × versicolor	Golovinomyces asterum var. morczkovskii	E
Symphytum asperum	Golovinomyces asperifoliorum	E, W (44)
Symphytum caucasicum	Golovinomyces asperifoliorum	E, W (46, 49)
Symphytum 'Hidcote Blue'	Golovinomyces asperifoliorum	W (42, 44, 48, 52)
Symphytum 'Hidcote Pink'	Golovinomyces asperifoliorum	W (48)
Symphytum officinale	Golovinomyces asperifoliorum	E, S, W (49, 50, 52)
Symphytum officinale ssp. officinale var. officinale	Golovinomyces asperifoliorum	W (42-44, 46-48, 50, 52)
Symphytum orientale	Golovinomyces asperifoliorum	E
Symphytum sp.	Golovinomyces asperifoliorum	E, S, W (35, 42, 43)

Symphytum tuberosum	Golovinomyces asperifoliorum	S, W (49)
Symphytum × uplandicum	Golovinomyces asperifoliorum	E, S, W (43, 44, 46, 47, 49, 52)
Syringa sp.	Erysiphe thermopsidis	E
Syringa vulgaris	Erysiphe syringae	E, I, W (42, 44, 46, 47, 49)
	Erysiphe syringae-japonicae	E, I
	Phyllactinia fraxini	E
Tagetes sp.	Neoerysiphe cumminsiana	W (41)
Tanacetum balsamita	Golovinomyces macrocarpus	B
Tanacetum bipinnatum ssp. bipinnatum	Golovinomyces macrocarpus	B
Tanacetum coccineum	Golovinomyces macrocarpus	S
Tanacetum macrophyllum	Golovinomyces macrocarpus	B
Tanacetum parthenium	Golovinomyces macrocarpus	E, W (50)
Tanacetum peregrinum	Golovinomyces macrocarpus	B
Tanacetum roseum	Golovinomyces macrocarpus	S
Tanacetum vulgare	Golovinomyces macrocarpus	E, S, W (42, 43, 46, 49)
Taraxacum hamatum	Podosphaera erigerontis- canadensis	E
Taraxacum officinale agg.	Podosphaera erigerontis- canadensis	E, I, S, W (35, 41-52)
Taraxacum oxoniense	Podosphaera erigerontis- canadensis	W (46)
Taraxacum sp.	Golovinomyces cichoracearum	E
	Podosphaera erigerontis- canadensis	S
Taraxacum subnaevosum	Podosphaera erigerontis- canadensis	E
Taraxacum unguilobum	Podosphaera erigerontis- canadensis	E
Tarenaya hassleriana	Erysiphe cruciferarum	E
Tarenaya spinosa	Erysiphe cruciferarum	E
Tellima grandiflora	Podosphaera macrospora	E, W (42, 43, 46, 48, 49)
Thalictrum alpinum	Podosphaera thalictri	S
Thalictrum aquilegifolium	Podosphaera thalictri	B
Thalictrum flavum	Erysiphe aquilegiae var. ranunculi	E
Thalictrum minus	Erysiphe aquilegiae var. ranunculi	E, S
Thalictrum sp.	Podosphaera thalictri	W
Thalictrum sphaerostachyum	Podosphaera thalictri	E
Thermopsis lanceolata	Erysiphe thermopsidis	B
Thermopsis sp.	Erysiphe thermopsidis	E
Thesium humifusum	Erysiphe thesii	E
Thlaspi arvense	Erysiphe cruciferarum	E
Thymus drucei	Golovinomyces monardae	W (42, 44, 49)
Tolmiea menziesii	Podosphaera macrospora	W (46, 48)
Torilis japonica	Erysiphe heraclei	E, I, W (42, 45, 46, 48-50)
Torilis nodosa	Erysiphe heraclei	E
Tragopogon porrifolius	Golovinomyces cichoracearum	E, W (42)
Tragopogon pratensis	Golovinomyces cichoracearum	E

Tragopogon pratensis ssp. minor	Golovinomyces cichoracearum	E, W (46)
Tremastelma palaestinum	Erysiphe knautiae	B
Tremastelma sp.	Erysiphe knautiae	B
Trifolium arvense	Erysiphe trifoliorum	E, S, W (44)
Trifolium bocconeii	Erysiphe trifoliorum	W (42)
Trifolium campestre	Erysiphe trifoliorum	E, S, W (43, 44, 46)
Trifolium constantinopolitanum	Erysiphe trifoliorum	E
Trifolium dubium	Erysiphe trifoliorum	E, I, S, W (41-44, 46, 49, 52)
Trifolium hybridum	Erysiphe trifoliorum	E, W (44)
Trifolium incarnatum	Erysiphe trifoliorum	S
Trifolium medium	Erysiphe trifoliorum	E, S
Trifolium micranthum	Erysiphe trifoliorum	W (49)
Trifolium pratense	Erysiphe pisi var. pisi	E, W (42, 46)
	Erysiphe trifoliorum	E, I, S, W (35, 44-46, 49, 52)
Trifolium repens	Erysiphe trifoliorum	E, S, W (44, 46)
Trifolium rubens 'Red Feathers'	Erysiphe trifoliorum	W (42, 44)
Trifolium strictum	Erysiphe trifoliorum	W (42)
Trigonella caerulea	Erysiphe trifoliorum	B
Trigonella cretica	Erysiphe trifoliorum	B
Trigonella foenum-graecum	Erysiphe trifoliorum	B
Trigonella glabra	Erysiphe trifoliorum	B
Trigonella spp.	Erysiphe trifoliorum	B
Tripleurospermum maritimum ssp. maritimum	Podosphaera erigerontis-canadensis	W (49)
Tripolium pannonicum	Golovinomyces asterum var. asterum	B
	Golovinomyces cichoracearum	E, W (44, 52)
Trisetum flavescens	Blumeria graminis s. l.	B
Triticum aestivum	Blumeria graminis s. s.	E, I, S, W (46)
Triticum aestivum 'Armentier'	Blumeria graminis s. s.	E
Triticum aestivum 'Cappelle'	Blumeria graminis s. s.	E
Triticum aestivum 'Champlein'	Blumeria graminis s. s.	E
Triticum aestivum 'Kloka'	Blumeria graminis s. s.	E
Triticum aestivum 'Maris Huntsman'	Blumeria graminis s. s.	E
Triticum aestivum 'Opal'	Blumeria graminis s. s.	E
Triticum aestivum 'Perdix'	Blumeria graminis s. s.	E
Triticum aestivum 'Ranger'	Blumeria graminis s. s.	E
Triticum aestivum 'Trident'	Blumeria graminis s. s.	E
Triticum spelta	Blumeria graminis s. s.	E
Triticum turgidum	Blumeria graminis s. s.	B
Tuberaria guttata	Podosphaera helianthemi	B
Tussilago farfara	Golovinomyces senecionis	E, W (50)
Ulex europaeus	Oidium sp.	W (49)
Ulex gallii	Oidium sp.	W (46)
Ulmus glabra	Erysiphe ulmi	E
Ulmus × hollandica	Erysiphe ulmi	W (44)
Ulmus minor agg.	Erysiphe ulmi	E

Ulmus procera	Erysiphe ulmi	E, W (44)
Urtica dioica	Erysiphe urticae	E, I, S, W (35, 41-44, 46-51)
Vaccinium macrocarpon 'Pilgrim'	Erysiphe elevata	E
Vaccinium myrtillus	Podosphaera myrtillina var. myrtillina	E, I, S, W (35, 42, 43, 46, 48-51)
Valeriana dioica	Golovinomyces orontii	W (44)
Valeriana officinalis	Golovinomyces orontii	E, S, W (42-44, 46, 47, 52)
Valeriana phu	Golovinomyces orontii	E, W (46)
Valeriana pyrenaica	Golovinomyces orontii	E, W (42, 44)
Valerianella carinata	Golovinomyces orontii	E, W (43, 44, 46, 49, 52)
Valerianella locusta var. locusta	Golovinomyces orontii	E, W (46)
Valerianella locusta var. oleracea	Golovinomyces orontii	W (46)
Verbascum chaixii 'Album'	Golovinomyces verbasci	E
Verbascum chaixii cv.	Golovinomyces verbasci	W (46)
Verbascum cv.	Golovinomyces verbasci	W (46)
Verbascum 'Dark Eyes'	Golovinomyces verbasci	W (49)
Verbascum nigrum	Golovinomyces verbasci	E, S, W (42-44, 46-49, 52)
Verbascum nigrum	Leveillula verbasci	E
Verbascum nigrum var. album	Golovinomyces verbasci	W (43)
Verbascum olympicum	Golovinomyces verbasci	E
	Leveillula verbasci	E
Verbascum phlomoides	Golovinomyces verbasci	B
Verbascum pulverulentum	Golovinomyces verbasci	E
Verbascum × semialbum	Golovinomyces verbasci	W (48)
Verbascum sp.	Golovinomyces verbasci	E, W (35, 41, 44-52)
Verbascum thapsus	Golovinomyces verbasci	E, I, S, W (35, 41-44, 46-51)
	Leveillula verbasci	E, S, W (45, 49)
Verbascum virgatum	Golovinomyces verbasci	E
Verbena bonariensis	Golovinomyces orontii	E, I, W (35, 44, 46)
	Golovinomyces verbenae	E, I
	Podosphaera xanthii	E
Verbena × hybrida	Golovinomyces orontii	E
	Golovinomyces verbenae	W (44)
	Podosphaera xanthii	E
Verbena lasiostachys	Golovinomyces verbenae	B
Verbena macdougalii	Golovinomyces verbenae	B
Verbena officinalis	Golovinomyces orontii	E
	Podosphaera xanthii	E
Verbena sp.	Golovinomyces verbenae	E, S
Verbena stricta	Golovinomyces verbenae	B
Verbena 'Voodoo Red Star'	Golovinomyces verbenae	W (46)
Veronica agrestis	Podosphaera fuliginea	E, W (43)
Veronica arvensis	Golovinomyces orontii	E
	Podosphaera fuliginea	E, S, W (44)
Veronica austriaca	Podosphaera fuliginea	B
Veronica austriaca ssp.teucrium	Podosphaera fuliginea	B
Veronica chamaedrys	Golovinomyces orontii	E, W (44, 46)
	Podosphaera fuliginea	E, S, W (44, 46)

Veronica exaltata	Podosphaera fuliginea	B
Veronica × franciscana	Golovinomyces orontii	B
Veronica gentianoides	Podosphaera fuliginea	B
Veronica longifolia	Podosphaera fuliginea	E, S, W (46)
Veronica montana	Podosphaera fuliginea	E
Veronica orchidea	Podosphaera fuliginea	B
Veronica persica	Golovinomyces orontii	E, W (44, 49)
	Podosphaera fuliginea	W (48)
Veronica polita	Golovinomyces orontii	E
	Podosphaera fuliginea	W (44)
Veronica serpyllifolia	Podosphaera fuliginea	E
Veronica sp.	Podosphaera fuliginea	E, S
Veronica speciosa	Golovinomyces orontii	B
Veronica spicata	Podosphaera fuliginea	E, S, W (42, 44)
Veronica spuria	Podosphaera fuliginea	B
Veronica teucrium	Golovinomyces orontii	E
Veronicastrum virginicum	Podosphaera fuliginea	B
Viburnum lantana	Erysiphe viburni	E, W (43, 49-52)
Viburnum opulus	Erysiphe viburni	E, I, S, W (35, 42-44, 46-50, 52)
Viburnum sargentii 'Onondaga'	Erysiphe viburni	W (42)
Viburnum tinus	Erysiphe viburni s. l.	E, S, W (46, 50)
Vicia cracca	Erysiphe baeumleri	E, S, W (35, 42, 46)
Vicia faba	Erysiphe pisi var. pisi	E
Vicia sativa	Erysiphe pisi var. pisi	E, W (35, 47)
Vicia sativa ssp. nigra	Erysiphe pisi var. pisi	W (46)
Vicia sepium	Erysiphe pisi var. pisi	E, I, S, W (43-45)
Vicia villosa	Erysiphe pisi var. pisi	B
Vinca major	Golovinomyces orontii	S
	Golovinomyces vincae	E, W (35, 42, 48-50)
	Pseudoidium vincae	E, W (41)
Vinca major 'Variegata'	Golovinomyces vincae	E, W (49)
Vinca minor	Golovinomyces vincae	S
Viola arvensis	Golovinomyces orontii	E
Viola cornuta 'Rocky'	Golovinomyces orontii	E
Viola sp.	Golovinomyces orontii	E, W (49)
Viola tricolor	Golovinomyces orontii	E, S
Viola × wittrockiana	Golovinomyces orontii	E, W (43, 46, 49)
Vitis acerifolia	Erysiphe necator var. necator	B
Vitis aestivalis	Erysiphe necator var. necator	E
Vitis amurensis	Erysiphe necator var. necator	B
Vitis belaii	Erysiphe necator var. necator	B
Vitis berlandieri	Erysiphe necator var. necator	B
Vitis californica	Erysiphe necator var. necator	B
Vitis cinerea	Erysiphe necator var. necator	B
Vitis davidii	Erysiphe necator var. necator	B
Vitis flexuosa var. rufotomentosa	Erysiphe necator var. necator	B
Vitis palmata	Erysiphe necator var. necator	B
Vitis riparia	Erysiphe necator var. necator	B

Vitis sp. and cvs.	Erysiphe necator var. necator	E, W (41, 44, 50, 51)
Vitis vinifera	Erysiphe necator var. necator	E, S, W (35, 42, 43, 46, 47, 49-51)
Vitis vinifera 'Purpurea'	Erysiphe necator var. necator	E
Vitis vulpina	Erysiphe necator var. necator	B
Vitis wilsoniae	Erysiphe necator var. necator	B
Wisteria brachybotrys 'Murasaki-kapiton'	Erysiphe alphitoides	E
Wisteria frutescens 'Amethyst Falls'	Erysiphe alphitoides	E
Wisteria sinensis	Erysiphe alphitoides	E
	Erysiphe trifoliorum	B
Wisteria sp.	Erysiphe trifoliorum	B
Zinnia elegans	Golovinomyces spadiceus	B
Zinnia sp.	Golovinomyces spadiceus	B

Powdery Mildew	Host	Distribution	
Arthrocladiella mougeotii	Lycium barbarum	E, W (43-46, 49, 50)	
	Lycium chinense	E, W (48, 50, 51)	
	Lycium sp.	E, I, S	
Blumeria avenae	Avena fatua	B	
	Avena sativa	E, I, S, W (43, 46, 49)	
	Avena sativa 'Blenda'	E	
	Avena sativa 'Condor'	E	
	Avena sativa 'Maris Beacon'	E	
	Avena sativa 'Maris Osprey'	E	
	Avena sativa 'Maris Quest'	E	
	Avena sativa 'Maris Ranger'	E	
	Avena sativa 'Penarth'	E	
	Avena sterilis ssp. ludoviciana	W (46)	
	Avena strigosa	S	
	Blumeria bulbigerata	Anisantha sterilis	I, W (44, 46, 47, 49)
Bromus adoensis		B	
Bromus briziformis		B	
Bromus fibrosus		B	
Bromus hordeaceus		E, I, S, W (35, 43, 44, 46, 51)	
Bromus interruptus		B	
Bromus japonicus		B	
Bromus kalmii		B	
Bromus racemosus		E, W (35, 43)	
Bromus sp.		B, W (45, 49)	
Blumeria dactylidis		Anthoxanthum odoratum	I, S, W (35, 44, 46)
		Dactylis glomerata	E, I, S, W (35, 42-44, 46, 47, 49)
	Hordeum 'Ark Royal'	E	
	Hordeum 'Athos'	E	
	Hordeum 'Cambrinus'	E	
	Hordeum cv.	S, W (49)	
	Hordeum 'Deba Abed'	E	
	Hordeum distichon	E, W (46)	
	Hordeum 'Europa'	E	
	Hordeum 'Impala'	E	
	Hordeum 'Julia'	E	
	Hordeum 'Maris Otter'	E	
	Hordeum murinum	E, W (35)	
	Hordeum 'Proctor'	E	
	Hordeum 'Rika'	E	
	Hordeum 'Sonja'	E	
	Hordeum sp.	S	
	Hordeum 'Sultan'	E	
Hordeum 'Swallow'	E		

Blumeria dactylidis (cont.)	Hordeum vulgare	E, S	
	Hordeum 'Zephyr'	E	
	Lolium multiflorum	B	
	Lolium perenne	E, S, W (44, 46, 52)	
Blumeria graminicola	Agrostis capillaris	W (41, 44)	
	Agrostis sp.	E, W (42)	
	Agrostis stolonifera	B	
	Holcus lanatus	E, S, W (44)	
	Holcus mollis	E	
	Poa annua	B	
	Poa humilis	S, W (46)	
	Poa nemoralis	E, W (35)	
	Poa pratensis s. l.	E, W (35)	
	Poa pratensis s. str.	E, W (41, 46)	
	Poa sp.	S	
	Poa trivialis	E, W (35, 42-44, 46)	
	Blumeria graminis s. l.	Alopecurus geniculatus	B
		Alopecurus myosuroides	E
Alopecurus pratensis		E	
Ammophila arenaria		E	
Arrhenatherum elatius		E, S, W (41)	
Arrhenatherum elatius var. bulbosum		W (44, 46)	
Arrhenatherum elatius var. elatius		W (46)	
Briza media		B	
Bromopsis erecta		B	
Bromopsis erecta ssp. condensata		B	
Calamagrostis epigejos		E	
Catapodium maritimum		W (46)	
Ceratochloa carinata		B	
Ceratochloa marginata		B	
Cynosurus cristatus		E	
Festuca ovina		B	
Festuca rubra		S, W (35)	
Festuca rubra ssp. commutata		E	
Festuca rubra ssp. rubra		W (35, 44, 46)	
Hordelymus europaeus		E	
Koeleria macrantha		B	
Leymus arenarius		B	
Lolium temulentum		B	
Molinia caerulea		E	
Parapholis sp.		E	
Phalaris arundinacea		E	
Phleum pratense		B	
Schedonorus arundinaceus		E, W (44)	
Schedonorus giganteus		E	
Schedonorus pratensis		W (44)	
Trisetum flavescens		B	

Blumeria graminis s. s.	Brachypodium sylvaticum	E, W (44)
	Elymus athericus	W (44)
	Elymus caninus	B
	Elymus junceiformis	S
	Elymus repens	E, S, W (35, 42-44, 46, 49)
	Milium effusum	E, W (35, 44)
	Milium effusum 'Aureum'	W (46)
	Secale cereale	E
	Triticum aestivum	E, I, S, W (46)
	Triticum aestivum 'Armentier'	E
	Triticum aestivum 'Cappelle'	E
	Triticum aestivum 'Champlein'	E
	Triticum aestivum 'Kloka'	E
	Triticum aestivum 'Maris Huntsman'	E
	Triticum aestivum 'Opal'	E
	Triticum aestivum 'Perdix'	E
	Triticum aestivum 'Ranger'	E
	Triticum aestivum 'Trident'	E
	Triticum spelta	E
	Triticum turgidum	B
Blumeria sp.	Deschampsia cespitosa ssp. cespitosa	E, S, W (46)
Erysiphe adunca	Populus alba	E
	Populus × canadensis 'Serotina'	E
	Populus × canescens	E
	Populus × jackii 'Gileadensis'	B
	Populus nigra	E, W (51)
	Populus nigra 'Italica'	E
	Populus nigra ssp. betulifolia	W (46)
	Populus tremula	E, W (44)
	Populus trichocarpa	W (44)
	Salix alba	E
	Salix aurita	E, S, W (44)
	Salix caprea	E, I, S, W (35, 41-46, 48)
	Salix cinerea ssp. cinerea	E
	Salix cinerea ssp. oleifolia	E, S, W (35, 41-50)
	Salix daphnoides	B
	Salix × fragilis	E, W (49)
	Salix × fruticosa	E
	Salix hastata	E
	Salix × holosericea	W (46)
	Salix × ludificans	B
	Salix × multinervis	E
	Salix myrsinifolia	B
	Salix nigra	B
	Salix phylicifolia	S
	Salix × puberula	B

Erysiphe adunca (cont.)	Salix purpurea	B	
	Salix × reichardtii	E, W (42)	
	Salix repens	E, W (44, 52)	
	Salix repens var. argentea	E, W (41)	
	Salix × smithiana	B	
	Salix sp.	E, S, W (47)	
	Salix triandra	E	
	Salix viminalis	B	
	Erysiphe akebiae	Akebia quinata	E, W (48)
		Akebia trifoliata	W (48)
Erysiphe alphitoides	Castanea sativa	E	
	Fagus sylvatica	S	
	Quercus alba	I	
	Quercus bicolor	I	
	Quercus canariensis	W (35)	
	Quercus cerris	E	
	Quercus × crenata 'Pseudoturneri'	I	
	Quercus dentata	I	
	Quercus dentata 'Pinnatifida'	W (42)	
	Quercus frainetto	W (42)	
	Quercus glandulifera	I	
	Quercus × hickelii	W (42)	
	Quercus ilex	E	
	Quercus petraea	E, I, S, W (42-50)	
	Quercus petraea 'Insecata'	W (42)	
	Quercus petraea 'Mespilifolia'	I	
	Quercus pubescens	E	
	Quercus pyrenaica	E	
	Quercus robur	E, I, S, W (35,41-44,46-51)	
	Quercus robur (Fastigiata Group)	I	
	'Koster'		
	Quercus robur 'Cristata Group'	W (42)	
	Quercus robur 'Fenessii'	I, W (42)	
	Quercus robur 'Fürst	W (42)	
	Schwarzenburg'		
	Quercus robur 'Purpurea'	W (42)	
	Quercus × rosacea	E, I, W (42, 45-49)	
	Quercus rubra	E	
	Quercus serrata	W (42)	
	Quercus sp.	E, I, S, W (35, 43)	
	Quercus velutina	E	
	Sorbaria sorbifolia	E	
	Wisteria brachybotrys 'Murasaki-	E	
	kapiton'		
	Wisteria frutescens 'Amethyst Falls'	E	
	Wisteria sinensis	E	
Erysiphe aquilegiae	Clematis 'Perle d'Azur'	W (43)	
	Clematis 'Raymond Grison'	E	

Erysiphe aquilegiae var. aquilegiae	Aquilegia caerulea	E	
	Aquilegia chrysantha 'Yellow Queen'	W (50)	
	Aquilegia pyrenaica	B	
	Aquilegia vulgaris	E, I, S, W (35, 42-44, 46-49, 52)	
	Caltha palustris	E, S, W (43, 44, 46, 52)	
	Clematis cv.	E	
	Ranunculus acris	E, W (42, 49)	
	Ranunculus repens	E, I	
	Erysiphe aquilegiae var. ranunculi	Aconitum firmum	E
		Aconitum napellus	E, S, W (46, 48)
Anemone coronaria		E	
Anemone × hybrida		E	
Anemone × hybrida 'Elegans'		S	
Anemone sp.		E	
Clematis × jackmanii		E, S, W (42, 46)	
Clematis recta		S, W (42)	
Clematis spp.		E	
Clematis vitalba		E	
Consolida ajacis		E	
Consolida sp.		E, W (48, 52)	
Delphinium 'Black Knight'		E	
Delphinium elatum		E	
Delphinium pyramidale		E	
Delphinium × cultorum		B	
Delphinium sp.		E, S	
Ranunculus acris		E, I, S, W (35, 41-44, 46, 47, 50, 52)	
Ranunculus auricomus		E, S	
Ranunculus bulbosus		E, W (35, 46)	
Ranunculus flammula		I, S, W (43, 46)	
Ranunculus lingua		E	
Ranunculus marginatus		E	
Ranunculus muricatus		S	
Ranunculus ophioglossifolius		E	
Ranunculus repens		E, I, S, W (35, 42-47, 49-51)	
Ranunculus sardous		E	
Ranunculus sceleratus		B	
Ranunculus serbicus		B	
Ranunculus sp.		E, W (48)	
Thalictrum flavum	E		
Thalictrum minus	E, S		
Erysiphe arcuata	Carpinus betulus	E, W (41, 44, 46, 49-51)	
Erysiphe astragali	Astragalus glycyphyllos	E, S	
	Astragalus sp.	S	
Erysiphe australiana	Lagerstroemia indica	E	
	Lagerstroemia indica 'Twilight'	E	

Erysiphe azalea	<i>Erica ageana</i>	S	
	<i>Erica conica</i>	S	
	<i>Erica glomerifera</i>	S	
	<i>Erica johnstoniana</i>	S	
	<i>Erica mammosa</i>	S	
	<i>Erica nudifolia</i>	S	
	<i>Erica oatsii</i>	S	
	<i>Erica oxifera</i>	S	
	<i>Erica plukenetii</i>	S	
	<i>Erica sp.</i>	S	
	<i>Erica subdivaricata</i>	S	
	<i>Rhododendron brachyanthum</i>	B	
	<i>Rhododendron campylocarpum</i>	B	
	<i>Rhododendron carolinianum</i> × <i>leucaspis</i>	S	
	<i>Rhododendron cinnabarinum</i>	S	
	<i>Rhododendron cinnabarinum</i> 'Roylei Group'	S	
	<i>Rhododendron</i> 'Cynthia'	S	
	<i>Rhododendron dichroanthum</i>	B	
	<i>Rhododendron</i> 'Exberry Hybrid'	S	
	<i>Rhododendron forrestii</i> 'Repens' × <i>griersonianum</i>	S	
	<i>Rhododendron fortunei</i>	B	
	<i>Rhododendron griffithianum</i>	B	
	<i>Rhododendron luteum</i>	E, I, W (47)	
	<i>Rhododendron magnificum</i> × <i>occidentale</i>	S	
	<i>Rhododendron occidentale</i> 'Superba'	S	
	<i>Rhododendron ponticum</i>	E, S, W (45, 48, 49)	
	<i>Rhododendron rhodoleucum</i>	S	
	<i>Rhododendron sp.</i>	E, S, W (35, 41, 45, 47-52)	
	<i>Rhododendron sp.</i> 'Azalea Group'	E, W (42, 43, 46, 47)	
	<i>Rhododendron</i> × <i>superponticum</i>	W (46)	
	<i>Rhododendron thomsonii</i>	B	
	Erysiphe baeumleri	<i>Ervilia sylvatica</i>	E, S, W (46)
		<i>Vicia cracca</i>	E, S, W (35, 42, 46)
Erysiphe baptisiae	<i>Baptisia australis</i>	E	
Erysiphe begoniicola	<i>Begonia nitida</i>	S	
	<i>Begonia rex</i>	W (51)	
	<i>Begonia rex</i> 'Gloire de Lorraine'	W (51)	
	<i>Begonia</i> 'Semperflorens'	W (46)	
	<i>Begonia spp.</i>	E, S, W (41, 51)	
	<i>Begonia sutherlandii</i>	S	
	<i>Begonia</i> × <i>tuberhybrida</i>	W (51)	

Erysiphe berberidis var. berberidis	<i>Berberis aggregata</i>	E
	<i>Berberis amurensis</i>	B
	<i>Berberis</i> × <i>bidentata</i>	B
	<i>Berberis boissieri</i>	B
	<i>Berberis canadensis</i>	B
	<i>Berberis chinensis</i>	B
	<i>Berberis circumserrata</i>	B
	<i>Berberis</i> × <i>declinata</i>	
	<i>Berberis diaphana</i>	B
	<i>Berberis dictyophyllum</i>	B
	<i>Berberis empetrifolia</i>	B
	<i>Berberis gagnepanii</i>	B
	<i>Berberis holstii</i>	B
	<i>Berberis hookeri</i>	S
	<i>Berberis humido-umbrosa</i>	B
	<i>Berberis jaeschkeana</i>	B
	<i>Berberis jamesiana</i>	B
	<i>Berberis lepidifolia</i>	B
	<i>Berberis ludlowii</i>	B
	<i>Berberis morrisonensis</i>	B
	<i>Berberis</i> × <i>ottawensis</i>	E, W (46)
	<i>Berberis parviflora</i>	B
	<i>Berberis pinnata</i>	E
	<i>Berberis polyantha</i>	E
	<i>Berberis pruinosa</i>	B
	<i>Berberis repens</i>	B
	<i>Berberis sargentiana</i>	B
	<i>Berberis silva-taroucana</i>	B
	<i>Berberis</i> sp.	E
	<i>Berberis suberecta</i>	B
	<i>Berberis thunbergii</i> f. <i>atropurpurea</i>	E, I, S, W (41-44, 46, 47, 49)
	<i>Berberis tsarongensis</i>	B
	<i>Berberis umbellata</i>	B
	<i>Berberis verna</i>	B
	<i>Berberis vulgaris</i>	E, I, S, W (42, 43, 46)
	<i>Berberis wilsoniae</i>	B
× <i>Mahoberberis neubertii</i>	B	
<i>Mahonia aquifolium</i>	E, I, S, W (44, 46, 47, 49)	
<i>Mahonia fortunii</i>	E	
<i>Mahonia japonica</i>	B	
<i>Mahonia repens</i>	B	
<i>Mahonia</i> sp.	E, S	
Erysiphe betae	<i>Beta</i> sp.	I, W (41, 49-51)
	<i>Beta trigyna</i>	B
	<i>Beta vulgaris</i> cvs.	E
	<i>Beta vulgaris</i> ssp. <i>cicla</i> var. <i>cicla</i>	E, W (49)
	<i>Beta vulgaris</i> ssp. <i>maritima</i>	E, I, W (44-46, 49-52)

Erysiphe betae (cont.)	Beta vulgaris ssp. vulgaris	E, S
	Beta vulgaris ssp. vulgaris var. rapacea 'Boltardy'	E
	Beta vulgaris ssp. vulgaris var. rapacea 'Tonda di Chioggia'	E
	Spinacia oleracea	E
Erysiphe buhrii	Dianthus barbatus	B
	Dianthus caryophyllus	B
	Silene coronaria	E
	Silene dioica	E, W (45, 46, 49, 52)
	Silene latifolia ssp. alba	E, W (46)
	Silene nutans	B
	Silene sp.	W (49, 52)
	Silene vulgaris	W (44)
Erysiphe capreae	Salix caprea	E, I, S, W (35, 41-44, 46, 47-52)
Erysiphe caricae	Carica papaya	C
Erysiphe carpinicola	Carpinus betulus	E
Erysiphe catalpae	Catalpa bignonioides	E
Erysiphe circaeae	Circaea alpina	B
	Circaea × intermedia	B
	Circaea lutetiana	E, I, S, W (35, 41-52)
Erysiphe convolvuli	Calystegia sp.	E
	Ipomaea purpurea 'Grandpa Otts'	E
Erysiphe convolvuli var. calystegiae	Calystegia pulchra	I
	Calystegia sepium	E, S, W (44, 49)
	Calystegia sepium ssp. sepium	E, I, W (46)
	Calystegia silvatica	E, W (46)
	Calystegia silvatica ssp. silvatica	E
	Calystegia sp.	E, W (35, 41, 49-51)
Erysiphe convolvuli var. convolvuli	Calystegia soldanella	M
	Convolvulus arvensis	E, S, W (46, 49-52)
Erysiphe cotini	Cotinus coggygria	E, S, W (49, 50, 51)
Erysiphe cruciferarum	Alliaria petiolata	E, S, W (35, 42-44, 46, 47, 49-51)
	Alyssum sp.	E
	Argemone platyceras	E
	Armoracia rusticana	E
	Aurinia saxatilis	E
	Barbarea vulgaris	B
	Brassica juncea	E
	Brassica napus	E, S
	Brassica napus ssp. oleifera	E, W (43)
	Brassica napus ssp. rapifera	E
	Brassica napus var. napobrassica	S
	Brassica nigra	E, W (46, 49, 52)
	Brassica oleracea cv.	W (46, 48)
	Brassica oleracea var. acephala	S

Erysiphe cruciferarum (cont.)

Brassica oleracea var. acephala 'Russian Red'	W (48)
Brassica oleracea var. botrytis	S
Brassica oleracea var. capitata	S
Brassica oleracea var. gemmifera	E, S, W (46)
Brassica rapa ssp. campestris	S, W (49)
Brassica rapa ssp. rapa	E, W (49)
Brassica rapa var. chinensis	W (43)
Capsella bursa-pastoris	E, I, S, W (35, 43, 46, 47, 49, 52)
Cardamine heptaphylla	E
Cardamine sp.	S
Coincya wrightii	E
Crambe hispanica ssp. hispanica	W (49)
Crambe maritima	B
Diplotaxis muralis	E
Diplotaxis tenuifolia	E
Erysimum cheiri	E, W (49)
Fumaria bastardii	W (42, 49)
Fumaria bastardii var. bastardii	W (44, 46, 49)
Fumaria capreolata	W (44)
Fumaria densiflora	W (42)
Fumaria muralis ssp. boraei	W (49)
Fumaria muralis ssp. boraei var. gracilis	W (46)
Fumaria muralis ssp. boraei var. major	W (46)
Fumaria occidentalis	E
Fumaria officinalis	E, I, S, W (49)
Fumaria parviflora	W (42)
Fumaria purpurea	W (42)
Fumaria reuteri	W (42)
Glaucium flavum	E, W (48)
Hesperis matronalis	E, W (46, 49)
Hirschfeldia incana	E, W (41, 42, 44, 46)
Iberis sp.	B
Iberis umbellata	S
Lepidium draba ssp. draba	E
Lepidium heterophyllum	B
Lunaria annua	E, S, W (46, 49)
Malcomia maritima	B
Papaver dubium	E, W (46)
Papaver orientale	B
Papaver rhoeas	E, W (46)
Papaver 'Shirley Hybrid'	S
Papaver somniferum	E, W (46)
Pseudofumaria lutea	E, W (44)

Erysiphe cruciferarum (cont.)	Raphanus raphanistrum ssp. maritimus	E, W (44, 49, 52)	
	Raphanus raphanistrum ssp. raphanistrum	B	
	Raphanus sativus	B	
	Sinapis arvensis	E, S W (49)	
	Sisymbrium altissimum	E	
	Sisymbrium irio	E	
	Sisymbrium officinale	E, I, S, W (41-44, 46, 48-50)	
	Sisymbrium strictissimum	B	
	Tarenaya hassleriana	E	
	Tarenaya spinosa	E	
	Thlaspi arvense	E	
	Erysiphe deutziae	Deutzia crenata	E
		Deutzia scabra	E, S, W (41, 49, 51)
		Deutzia scabra 'Candidissima'	E
Erysiphe diffusa	Sophora flavescens	B	
	Sophora japonica	B	
Erysiphe divaricata	Frangula alnus var. alnus	E, S, W (46)	
	Frangula alnus var. latifolia	W (46)	
Erysiphe elevata	Catalpa bignonioides	E, W (46)	
	Catalpa bignonioides 'Aurea'	E	
	Catalpa × erubescens	E	
	Catalpa × erubescens 'Purpurea'	E	
	Catalpa speciosa	E	
	× Chitalpa taschkentensis	E	
	Vaccinium macrocarpon 'Pilgrim'	E	
	Erysiphe eschscholziae	Eschscholzia californica	E, S, W (44)
Erysiphe euonymi		Euonymus europaeus	E, I, W (35, 41-44, 46, 48-52)
	Euonymus europaeus f. intermedius	W (44, 46)	
	Euonymus hederaceus	B	
	Euonymus verrucosus	B	
Erysiphe euonymicola	Euonymus fortunei var. radicans	E, S	
	Euonymus japonicus	E, I, S, W (35, 41, 44-46, 48-52)	
	Euonymus nanus	B	
Erysiphe flexuosa	Aesculus carnea	E, W (42, 43, 46)	
	Aesculus californica	E	
	Aesculus carnea 'Briotii'	W (46)	
	Aesculus 'Dallimorei'	E	
	Aesculus hippocastanum	E, I, W (41-43, 46, 49-51)	
	Aesculus hippocastanum 'Baumannii'	I	
	Aesculus × mutabilis	E	
	Aesculus × plantierensis	W (46)	
	Aesculus sp.	E, I, S, W (35, 41-52)	

Erysiphe friesii var. friesii	Rhamnus alaternus	E
	Rhamnus cathartica	E, S, W (51)
Erysiphe galegae	Galega officinalis	E
Erysiphe grossulariae	Ribes alpinum	E, S
	Ribes fasciculatum	B
	Ribes laurifolium	B
	Ribes × nidigrolaria	B
	Ribes nigrum	E, S
	Ribes rubrum	E
	Ribes sanguineum	E, S
	Ribes uva-crispa	E, S, W (35, 42, 44, 46, 50, 51)
Erysiphe guarinonii	Laburnum anagyroides	E, S, W (44, 46)
	Laburnum sp.	S, W (51)
	Laburnum × watereri	W (51)
Erysiphe heraclei	Aegopodium podagraria	E, I, S
	Aethusa cynapium	E, W (44)
	Ammi majus	E
	Angelica sylvestris	E, I, S, W (35, 41, 43, 44, 46, 47, 49, 51, 52)
	Anthriscus caucalis	E, I
	Anthriscus cerefolium	E
	Anthriscus sylvestris	E, I, S, W (35, 42-47, 49, 50, 52)
	Apium graveolens	B
	Berula erecta	E
	Chaerophyllum aureum	E
	Chaerophyllum temulum	E, W (43)
	Cicuta virosa	B
	Conium maculatum	E, W (35, 43)
	Daucus carota	E, I
	Foeniculum vulgare	E
	Heracleum mantegazzianum	E, W (44)
	Heracleum sphondylium	E, I, S, W (35, 41-49, 52)
	Myrrhis odorata	E, S
	Pastinaca sativa	E, S, W (44)
	Pastinaca sativa ssp. sativa	E, W (42)
	Pastinaca sativa ssp. sylvestris	E
	Petroselinum crispum	E, S, W (44)
	Petroselinum crispum var. neapolitanum	W (44)
	Pimpinella major	E
	Pimpinella saxifraga	E, W (46, 47, 52)
	Smyrniolum olusatrum	E, W (46)
	Torilis japonica	E, I, W (42, 45, 46, 48-50)
	Torilis nodosa	E

Erysiphe howeana	Fuchsia spp.	B	
	Oenothera biennis	E, W (41)	
	Oenothera cambrica	W (46, 49)	
	Oenothera × fallax	W (43, 46)	
	Oenothera glazioviana	E, W (41, 44, 46, 49)	
	Oenothera indecora	B	
	Oenothera odorata	B	
	Oenothera ravenii	B	
	Oenothera sp.	E, W (41, 45, 51)	
	Oenothera stricta	W (46)	
	Erysiphe hyperici	Hypericum androsaemum	E, S, W (44)
		Hypericum calycinum	E, S
		Hypericum × desetangsii	I, W (35, 42-44, 46-48)
Hypericum hirsutum		E, W (42, 46)	
Hypericum humifusum		E	
Hypericum kotschyannum		B	
Hypericum kouychense		S	
Hypericum maculatum		E, I, W (44, 47, 49, 50)	
Hypericum maculatum ssp. obtusiusculum		W (42, 46, 47)	
Hypericum montanum		E, W (44) E, S, W (41, 43, 44, 46, 47, 49)	
Hypericum perforatum		W (46)	
Hypericum perforatum × undulatum		E, W (49)	
Hypericum pulchrum		W (46)	
Hypericum tetrapterum		W (45)	
Hypericum undulatum		S	
Erysiphe hypophylla		Quercus petraea	W (46)
	Quercus robur	E, W (46)	
	Quercus × rosacea	W (45)	
Erysiphe intermedia	Lupinus albifrons	B	
	Lupinus albus	W (47)	
	Lupinus arboreus	B	
	Lupinus argenteus	B	
	Lupinus mutabilis	B	
	Lupinus mutabilis 'Sunrise'	W (42)	
	Lupinus nootkatensis	B	
	Lupinus polyphyllus	E	
	Lupinus × regalis	W (43, 46)	
	Lupinus sp.	E, S, W (35, 41, 43, 49-52)	
	Lupinus subcarnosus	B	
Erysiphe juglandis	Juglans regia	E	
	Juglans sp.	W	
Erysiphe knautiae	Knautia arvensis	E, W (52)	
	Knautia macedonica	W (46, 48)	
	Scabiosa atropurpurea	E, W (42)	
	Scabiosa columbaria	E, S, W (44, 52)	

Erysiphe knautiae (cont.)	Scabiosa columbaria ssp. ochroleuca	E
	Scabiosa longifolia	B
	Scabiosa lucida	B
	Scabiosa sp.	E, S, W (50)
	Succisa pratensis	E, I, S, W (41-44, 46, 47, 49)
	Tremastelma palaestinum	B
Erysiphe limonii	Tremastelma sp.	B
	Limonium binervosum agg.	B
	Limonium chiloense	B
	Limonium platyphyllum	E
	Limonium sinuatum	B
	Limonium vulgare	E
Erysiphe lonicerae var. lonicerae	Lonicera × bella	E
	Lonicera caprifolium	W (44)
	Lonicera etrusca	E
	Lonicera japonica	E, S, W (42-46, 48)
	Lonicera korolkowii	B
	Lonicera nitida	W (49)
	Lonicera perfoliata	E
	Lonicera periclymenum	E, I, S, W (42-44, 46-49)
	Lonicera periclymenum 'Serotina'	W (44, 45)
	Lonicera similis var. delavayi	E
	Lonicera tatarica	E
	Lonicera tragophylla	E
	Lonicera xylosteum	B
Erysiphe lycopsidis	Anchusa azurea	B
	Anchusa officinalis	E
	Anchusa sp.	S
	Lycopsis arvensis	E, S, W (44, 46)
	Lycopus europaeus	E
	Pentaglottis sempervirens	E, S, W (44, 46, 49, 50, 52)
Erysiphe lythri	Lythrum salicaria	E, I, W (47, 49, 50)
	Lythrum sp.	S
Erysiphe macleayae	Chelidonium majus	E, W (47)
	Macleaya microcarpa	E
	Macleaya microcarpa 'Coral Plume'	E
	Meconopsis betonicifolia	E, S
	Meconopsis horridula	S
	Papaver cambricum cv.	E, W (42, 46, 49, 51)
Erysiphe magnifica	Magnolia kobus 'Borealis'	E
	Magnolia 'Sensation'	E
	Magnolia spp. & cvs.	E, W (41, 50, 51)
	Magnolia × soulangiana	W (50, 51)
Erysiphe mayorii var. mayorii	Cirsium arvense	E, S, W (50)
	Cirsium heterophyllum	S
	Cirsium palustre	S
	Cirsium vulgare	E

Erysiphe necator	Parthenocissus inserta	B
	Parthenocissus quinquefolia	W (51)
	Parthenocissus tricuspidata	B
Erysiphe necator var. necator	Ampelopsis glandulosa var. brevipedunculata	B
	Rhoicissus rhomboidea	S
	Vitis acerifolia	B
	Vitis aestivalis	E
	Vitis amurensis	B
	Vitis belaii	B
	Vitis berlandieri	B
	Vitis californica	B
	Vitis cinerea	B
	Vitis davidii	B
	Vitis flexuosa var. rufotomentosa	B
	Vitis palmata	B
	Vitis riparia	B
	Vitis sp. and cvs.	E, W (41, 44, 50, 51)
	Vitis vinifera	E, S, W (35, 42, 43, 46, 47, 49-51)
	Vitis vinifera 'Purpurea'	E
	Vitis vulpina	B
	Vitis wilsoniae	B
Erysiphe ornata var. europaea	Betula pendula	E, I, S, W (43, 46)
	Betula pubescens	E, S, W (43, 46, 49)
	Betula pubescens ssp. celtiberica	W (42, 43, 48)
	Betula pubescens ssp. pubescens	E, S, W (43, 44, 46)
Erysiphe palczewskii	Caragana arborescens	E
	Caragana aurantiaca	E
	Caragana brevispina	E
	Colutea arborescens	B
Erysiphe penicillata	Alnus glutinosa	E, I, S, W (42, 44-46, 49-52)
	Alnus incana	E, W (44, 46, 47)
	Alnus rubra	E
	Alnus viridis	E
Erysiphe pisi var. cruchetiana	Lathyrus pratensis	W (46)
	Ononis repens	E, S, W (41, 44, 46, 48, 51)
	Ononis sp.	S
	Ononis spinosa	E
Erysiphe pisi var. pisi	Ervilia hirsuta	E
	Ervilia sylvatica	S
	Ervum tetraspermum	E
	Hippocrepis sp.	B
	Lathyrus latifolius	E, S
	Lathyrus odoratus	E, W (42-44, 46, 49)
	Lathyrus oleraceus	E, S, W (35, 42-44, 46, 48, 49)

Erysiphe pisi var. pisi (cont.)	Lathyrus oleraceus 'Alderman'	W (44)	
	Lathyrus oleraceus 'Carouby de Maussane'	W (43)	
	Lathyrus oleraceus 'Onward'	W (42)	
	Lathyrus pratensis	E, S, W (46, 52)	
	Medicago lupulina	E, I, S, W (43, 44, 46, 48)	
	Medicago orbicularis	B	
	Medicago sativa var. sativa	E, W (41, 44)	
	Melilotus albus	W (44)	
	Senna stirtonii	E	
	Trifolium pratense	E, W (42, 46)	
	Vicia faba	E	
	Vicia sativa	E, W (35, 47)	
	Vicia sativa ssp. nigra	W (46)	
	Vicia sepium	E, I, S, W (43-45)	
	Vicia villosa	B	
	Erysiphe platani	Platanus × hispanica	E, W (44, 48-51)
		Platanus orientalis	E
		Platanus sp.	I, W (35, 41, 49-51)
	Erysiphe polygoni	Fagopyrum sp.	B
Fallopia baldschuanica		E	
Fallopia convolvulus		E	
Homalocladium platycladium		B	
Polygonum agrestinum		E, W (46-48)	
Polygonum arenastrum		E, W (49)	
Polygonum aviculare s. l.		E, S, W (41, 43, 44, 46)	
Polygonum aviculare s. str.		S, W (35, 41-44, 46, 49)	
Polygonum chamaechyton		W (46)	
Polygonum depressum		W (43)	
Polygonum oxyspermum		E	
Reynoutria japonica		E	
Rumex acetosa		E, W (49)	
Rumex acetosella		E, S, W (46, 47, 49)	
Rumex obtusifolius		E	
Rumex sanguineus var. viridis		E	
Rumex scutatus		S	
Persicaria amphibia		B	
Persicaria lapathifolia		S, W (46)	
Persicaria maculosa		E	
Polygonum polycnemiforme		W (46, 48)	
Rumex crispus ssp. crispus		E, W (46)	
Erysiphe prunastri		Prunus cerasifera	B
		Prunus domestica ssp. insititia var. nigra	W (46)
		Prunus domestica var. damascena	W (46)
		Prunus mahaleb	E
		Prunus padus	B
		Prunus spinosa	E, I, S, W (41-44, 46, 47, 49-51)

Erysiphe pseudacaciae	Robinia hispida	B
	Robinia pseudoacacia	E
	Robinia sp.	W (41)
Erysiphe pulchra	Cornus florida	E
	Cornus nuttallii	E
Erysiphe quercicola	Bixa sp.	E
Erysiphe rayssiae	Spartium junceum	E
Erysiphe robiniae	Robinia sp.	E, S, W (41)
Erysiphe russellii	Oxalis corniculata	E, S, W (43)
	Oxalis corniculata var. atropurpurea	E
	Oxalis exilis	E, W (44)
	Oxalis rosea	E, S
	Oxalis sp.	S, W (48, 51)
	Oxalis stricta	E, W (48, 51)
Erysiphe sedi	Hylotelephium 'Herbstfreude'	E
	Hylotelephium spectabile	E, W (46, 49, 50)
	Phedimus sp.	B
	Phedimus spurius	B
	Sedum jepsonii	S
	Sedum praealtum	S
	Sedum rubroglaucum	S
Erysiphe symphoricarpi	Symphoricarpos albus	E, S, W (41, 44, 46, 48-51)
	Symphoricarpos × chenaultii	E
	Symphoricarpos sp.	E, I, W (35, 41-44, 47, 50, 51)
Erysiphe syringae	Chionanthus retusus	S
	Ligustrum ovalifolium	E
	Ligustrum vulgare	E, W (44)
	Syringa vulgaris	E, I, W (42, 44, 46, 47, 49)
Erysiphe syringae-japonicae	Ligustrum sp.	E
	Syringa vulgaris	E, I
Erysiphe thermopsidis	Genista sp.	B
	Syringa sp.	E
	Thermopsis lanceolata	B
	Thermopsis sp.	E
Erysiphe thesii	Thesium humifusum	E
Erysiphe tortilis	Cornus alba cv.	E, I, W (44)
	Cornus alba var. flaviramea	W (42)
	Cornus alba var. sibirica	W (42, 43, 46)
	Cornus koenigii	W (43, 47)
	Cornus sanguinea	E, S, W (35, 41-44, 46, 47)
	Cornus sanguinea 'Midwinter Fire'	E
	Cornus sanguinea ssp. australis	E, W (43, 44, 46)
	Cornus sanguinea ssp. australis × sanguinea	W (46)
	Cornus sericea	I
	Cornus sp.	E, S, W (35, 41-44, 46, 47, 49-52)

Erysiphe trifoliorum	<i>Anthyllis vulneraria</i>	W (41)
	<i>Coronilla scorpioides</i>	B
	<i>Cytisus purpureus</i>	B
	<i>Cytisus scoparius</i>	E, S, W (49)
	<i>Galega officinalis</i>	E
	<i>Genista sagittalis</i>	B
	<i>Genista sibirica</i>	B
	<i>Hippocrepis unisiliquosa</i>	B
	<i>Lathyrus hirsutus</i>	B
	<i>Lathyrus linifolius</i> var. <i>montanus</i>	E
	<i>Lathyrus magellanicus</i>	B
	<i>Lathyrus odoratus</i>	E, I, W (47)
	<i>Lathyrus palustris</i>	E
	<i>Lathyrus pratensis</i>	E, I, S, W (35, 41-47, 49, 51, 52)
	<i>Lathyrus tuberosus</i>	B
	<i>Lotus corniculatus</i>	E, I, S, W (44)
	<i>Lotus corniculatus</i> var. <i>sativus</i>	W (49)
	<i>Lotus pedunculatus</i>	E, W (44, 46)
	<i>Lotus tenuis</i>	E
	<i>Melilotus albus</i>	E, W (44, 49)
	<i>Melilotus altissimus</i>	E, S, W (35, 41, 44, 46)
	<i>Melilotus indicus</i>	B
	<i>Melilotus officinalis</i>	E, W (49)
	<i>Melilotus</i> sp.	W (44)
	<i>Onobrychis viciifolia</i>	E
	<i>Securigera varia</i>	E, W (46)
	<i>Trifolium arvense</i>	E, S, W (44)
	<i>Trifolium bocconeii</i>	W (42)
	<i>Trifolium campestre</i>	E, S, W (43, 44, 46)
	<i>Trifolium constantinopolitanum</i>	E
	<i>Trifolium dubium</i>	E, I, S, W (41-44, 46, 49, 52)
	<i>Trifolium hybridum</i>	E, W (44)
	<i>Trifolium incarnatum</i>	S
	<i>Trifolium medium</i>	E, S
	<i>Trifolium micranthum</i>	W (49)
	<i>Trifolium pratense</i>	E, I, S, W (35, 44-46, 49, 52)
	<i>Trifolium repens</i>	E, S, W (44, 46)
	<i>Trifolium rubens</i> 'Red Feathers'	W (42, 44)
	<i>Trifolium strictum</i>	W (42)
	<i>Trigonella caerulea</i>	B
	<i>Trigonella cretica</i>	B
	<i>Trigonella foenum-graecum</i>	B
	<i>Trigonella glabra</i>	B
	<i>Trigonella</i> spp.	B
	<i>Wisteria sinensis</i>	B
	<i>Wisteria</i> sp.	B
	Erysiphe ulmariae	<i>Filipendula ulmaria</i>
<i>Filipendula vulgaris</i>		B

Erysiphe ulmi	Ulmus glabra	E
	Ulmus minor agg.	E
	Ulmus procera	E, W (44)
	Ulmus × hollandica	W (44)
Erysiphe urticae	Urtica dioica	E, I, S, W (35, 41-44, 46-51)
Erysiphe vanbruntiana var. sambuci-racemosae	Sambucus nigra	E, W (44)
	Sambucus racemosa	E, S, W (44, 51)
	Sambucus racemosa var. callicarpa	E
Erysiphe viburni	Viburnum lantana	E, W (43, 49-52)
	Viburnum opulus	E, I, S, W (35, 42-44, 46-50, 52)
	Viburnum sargentii 'Onondaga'	W (42)
Erysiphe viburni s. l.	Viburnum tinus	E, S, W (46, 50)
Euoidium chrysanthemi	Chrysanthemum 'Souvenir de la Petite Arnie'	S
	Chrysanthemum sp.	S
Fibroidium balsaminae	Impatiens sp.	E, W (51)
Fibroidium cyparissiae	Euphorbia cyparissias	E
Fibroidium hiratae	Catalpa sp.	E, S
Fibroidium pelargonii	Pelargonium sp.	S
Fibroidium primulae-obconicae	Primula obconica	W (51)
Fibroidium sp.	Cuphea rosea	E
Golovinomyces ambrosiae	Helianthus annuus cv.	E, W (43, 48, 49)
	Helianthus maximiliani	W (43)
	Helianthus × multiflorus	W (48)
	Helianthus pauciflorus	E
	Helianthus tuberosus	E
	Rudbeckia sp.	B
Golovinomyces artemisiae	Artemisia abrotanum	B
	Artemisia absinthium	E, S
	Artemisia campestris	B
	Artemisia sp.	E, S, W (48, 49, 52)
	Artemisia verlotiorum	B
	Artemisia vulgaris	E, I, S, W (35, 42-46, 49, 50, 52)
Golovinomyces asperifolii	Buglossoides arvensis	W (52)
	Echium plantagineum	E
	Echium vulgare	E, S, W (46, 49, 51, 52)
	Myosotis arvensis	E, I, S, W (42-44, 46, 47-49, 51)
	Myosotis discolor ssp. discolor	W (44)
	Myosotis ramosissima	E, W (49)
	Myosotis scorpiodes	E
	Myosotis sylvatica	E, I, S, W (35, 41, 43, 46, 47, 49, 50)
	Myosotis sylvatica var. culta	E

Golovinomyces asperifoliorum	Pulmonaria 'Blue Ensign'	W (44, 50)
	Pulmonaria cv.	E, W (41, 49)
	Pulmonaria longifolia	W (46)
	Pulmonaria 'Mawson's Blue'	W (42)
	Pulmonaria officinalis	E, W (35, 42-44, 46, 49, 50)
	Pulmonaria saccharata	E
	Pulmonaria saccharata 'Mrs. Moon'	W (50, 52)
	Pulmonaria 'Sissinghurst White'	W (50)
	Pulmonaria 'Tivoli'	W (41)
	Symphytum asperum	E, W (44)
	Symphytum caucasicum	E, W (46, 49)
	Symphytum 'Hidcote Blue'	W (42, 44, 48, 52)
	Symphytum 'Hidcote Pink'	W (48)
	Symphytum officinale	E, S, W (49, 50, 52)
	Symphytum officinale ssp. officinale var. officinale	W (42-44, 46-48, 50, 52)
	Symphytum orientale	E
	Symphytum sp.	E, S, W (35, 42, 43)
	Symphytum tuberosum	S, W (49)
	Symphytum × uplandicum	E, S, W (43, 44, 46, 47, 49, 52)
	Golovinomyces asterum var. asterum	Bellis perennis
Felicia sp.		B
Tripolium pannonicum		B
Golovinomyces asterum var. moroczkovskii	Galatella linosyris	E
	Symphyotrichum cordifolium	W (44)
	Symphyotrichum ericoides	E, W (44)
	Symphyotrichum laeve	B
	Symphyotrichum lanceolatum	B
	Symphyotrichum novae-angliae	E, W (42, 44)
	Symphyotrichum novi-belgii	E, S, W (43)
	Symphyotrichum pilosum	B
	Symphyotrichum praealtum	B
	Symphyotrichum puniceum	W (43)
	Symphyotrichum sp.	E, S, W (42, 43, 46, 47, 49, 52)
	Symphyotrichum tradescantii	B
	Symphyotrichum turbinellum	B
	Symphyotrichum × salignum	W (44, 46)
	Symphyotrichum × versicolor	E
	Golovinomyces asterum var. solidaginis	Euthamia gymnospermoides
Solidago arguta var. bootii		B
Solidago buckleyi		B
Solidago californica		B
Solidago canadensis		E
Solidago canadensis ssp. altissima		W (42)
Solidago canadensis ssp. canadensis		W (42)
Solidago cv.		E

Golovinomyces asterum var. solidaginis (cont.)	Solidago elongata	B	
	Solidago flexicaulis	B	
	Solidago gigantea ssp. serotina	E, W (46)	
	Solidago glomerata	B	
	Solidago 'Goldenmosa'	W (46)	
	Solidago 'Goldkind'	W (47)	
	Solidago juncea	B	
	Solidago missouriensis	B	
	Solidago mollis	E	
	Solidago multiradiata	B	
	Solidago nemoralis	B	
	Solidago petiolaris	B	
	Solidago ptarmicoides	B	
	Solidago rigida	B	
	Solidago sempervirens	B	
	Solidago sp.	E, I, S	
	Solidago virgaurea	E, S, W (41, 42, 46, 49, 52)	
	× Solidaster luteus	B	
	Golovinomyces biocellatus s. l.	Ajuga genevensis	B
		Ajuga reptans	E, S
Betonica officinalis		E	
Clinopodium vulgare		E	
Hyssopus officinalis		E	
Nepeta racemosa 'Blue Wonder'		E	
Plectranthus scutellarioides		E	
Prunella vulgaris		E	
Salvia officinalis		S	
Salvia sp.		W (46, 50)	
Salvia verticillata		E	
Salvia × superba		B	
Glechoma hederacea		E, W (41,43,44,46,48,49,52)	
Glechoma hederacea 'Variegata'		E, W (49, 52)	
Lycopus europaeus		E, W (46)	
Golovinomyces brunneopunctatus		Erythranthe guttata	E?, W (49)
		Erythranthe lutea	E?
	Erythranthe sp.	S	
Golovinomyces cichoracearum	Calendula officinalis	E	
	Callistephus chinensis	B	
	Catananche caerulea	B	
	Catananche sp.	B	
	Cosmos atrosanguineus	E	
	Cosmos bipinnatus	E	
	Felicia bergeriana	B	
	Gerbera jamesonii	B	
	Grindelia squarrosa	B	
	Lactuca virosa	E	
	Leontodon saxatilis	E	
Petasites albus	E		

Golovinomyces cichoracearum (cont.)	Picris hieracioides	E, W (44)
	Taraxacum sp.	E
	Tragopogon porrifolius	E, W (42)
	Tragopogon pratensis	E
	Tragopogon pratensis ssp. minor	E, W (46)
	Tripolium pannonicum	E, W (44, 52)
	Cicerbita alpina	B
	Cichorium intybus	E
	Cichorium sp.	E
	Crepis biennis	E, W (41, 46)
	Crepis capillaris	E, I, W (41, 43, 44, 46, 49)
	Crepis vesicaria ssp. taraxacifolia	E, W (46)
	Helminthotheca echioides	E, W (42, 45, 46, 49, 50)
	Hypochaeris radicata	E, S, W (42-44, 46, 47, 49)
	Lactuca saligna	B
	Lactuca sativa	E
	Lactuca serriola	E, W (41-44, 46)
	Lactuca virosa	B
	Mycelis muralis	E, I, W (35, 41-44, 46, 47-49, 52)
	Scorzonera hispanica	B
	Scorzonera humilis	B
Scorzonera sp.	E	
Scorzoneroides autumnalis	E, S	
Scorzoneroides sp.	B	
Baptisia alba × australis	E	
Golovinomyces cichoracearum s. l.	Lapsana communis	E, I, S, W (49)
	Lapsana communis ssp. communis	E, S, W (46)
Golovinomyces circumfusus	Eupatorium cannabinum	E, I, S, W (35, 41, 44, 46-52)
	Eupatorium cannabinum 'Flore Pleno'	W (47)
Golovinomyces cucurbitacearum	Cucumis sativus	S, W (49)
	Cucumis sativus 'Crystal Apple'	W (49)
	Cucumis sativus 'Crystal Lemon'	W (49)
	Cucumis sativus 'Telegraph'	W (46)
	Cucurbita maxima	W (42, 46, 48, 49)
	Cucurbita maxima 'Thelma Saunders'	W (46)
	Cucurbita moschata	B
	Cucurbita pepo	E, I, W (42-44, 46-50)
	Cucurbita pepo 'Little Gem'	W (44)
	Cucurbita pepo var. medullosa	S
Golovinomyces cynoglossi s. l.	Melothria scabra	W (49)
	Asperugo procumbens	B
	Borago officinalis	E, I, W (43, 45-49)
	Brunnera macrophylla	E, W (44)
	Cerithe glabra	B
Cerithe major	E	

Golovinomyces cynoglossi s. l. (cont.)	Cerithe major 'Purpurescens'	W (44)	
	Cerithe minor	E	
	Cerithe sp.	E	
	Lithospermum officinale	B	
	Lycopsis arvensis	E	
	Nonea lutea	E	
	Omphalodes sp.	E	
	Pentaglottis sempervirens	E	
	Golovinomyces cynoglossi s. s.	Cynoglossum germanicum	E
		Cynoglossum officinale	E, I, W (35, 44, 49)
Cynoglossum sp.		S	
Golovinomyces depressus	Arctium lappa	E, I, W (35, 42-44, 49, 52)	
	Arctium minus	E, I, S, W (35, 41-43, 46, 50)	
	Arctium minus ssp. minus	E	
	Arctium minus ssp. pubens	W (46)	
	Arctium nemorosum	E, I	
	Arctium sp.	E, I, S, W (35, 43, 50, 52)	
	Centaurea montana	E, W (41-44, 46, 48, 49, 52)	
	Centaurea montana 'Purple Heart'	W (50)	
	Onopordum acanthium	E, S	
	Onopordum illyricum	S	
	Golovinomyces echinopsis	Echinops bannaticus	E, W (49)
		Echinops exaltatus	E
		Echinops karatavicus	E
Echinops sp.		I, S, W (42, 46, 50, 51)	
Echinops sphaerocephalus		E	
Golovinomyces fischeri	Jacobaea aquatica	S	
	Jacobaea maritima	B	
	Jacobaea vulgaris	E, S	
	Jacobaea × albescens	E	
	Senecio sarracenicus	E	
	Senecio squalidus	E	
	Senecio sylvaticus	E, W (46, 49, 52)	
	Senecio viscosus	E, S, W (44)	
	Senecio vulgaris	E, I, S, W (35, 42-44, 46, 47, 49-52)	
Golovinomyces hieraciorum	Hieracium angustatifforme	W (42)	
	Hieracium apheles	W (42)	
	Hieracium argentiforme	W (42)	
	Hieracium britanniciforme	W (42)	
	Hieracium candelabrae	W (42)	
	Hieracium cantianum	W (42)	
	Hieracium charitodon	W (42)	
	Hieracium cyathis	W (44)	
	Hieracium daedalolepioides	W (46)	
	Hieracium dentulum	W (42)	
Hieracium diaphanum	W (44)		

Golovinomyces hieraciorum (cont.)	Hieracium grandidens	W (46)
	Hieracium hypochaeroides	W (44)
	Hieracium inspissatum	W (42)
	Hieracium leptodon	W (44)
	Hieracium liguans	W (42)
	Hieracium lintonense	W (42)
	Hieracium mannidens	W (42)
	Hieracium molybdochroum	W (44)
	Hieracium neocoracinum	W (42)
	Hieracium pollichiae	W (42)
	Hieracium pollinarioides	W (42)
	Hieracium promontoriale	W (42)
	Hieracium radyrense	W (41)
	Hieracium rectulum	W (44)
	Hieracium riddelsdellii	W (44)
	Hieracium sabaudum	W (46)
	Hieracium scoticum	W (42)
	Hieracium scullyi	W (42)
	Hieracium sect. Sabauda	E
	Hieracium sect. Vulgata	E
	Hieracium snowdoniense	W (44)
	Hieracium sp.	E, I, S, W (41, 43-45, 47, 49)
	Hieracium subcrocatum	W (46)
	Hieracium subminutidens	W (42)
	Hieracium submutabile	W (44)
	Hieracium subrude	W (42)
	Hieracium tavense	W (42)
	Hieracium umbellatum agg.	E, W (43, 47)
	Hieracium umbellatum ssp. bichlorophyllum	W (46)
	Hieracium vagicola	W (42)
	Hieracium vagum	E, W (46)
	Pilosella aurantiaca	W (41, 45)
	Pilosella aurantiaca ssp. carpathicola	E, W (43, 46, 47, 49)
Pilosella officinarum	I, W (46)	
Pilosella officinarum var. officinarum	E	
Pilosella officinarum var. trichosoma	S	
Golovinomyces hyoscyami	Hyoscyamus niger	E
Golovinomyces inulae	Inula magnifica	E
	Pulicaria dysenterica	E
	Pulicaria sp.	E
Golovinomyces longipes	Petunia cv.	W (46, 48)
	Petunia × hybrida	E, I, S, W (35, 41, 46, 50-52)
Golovinomyces macrocarpus	Achillea ligustica	B
	Achillea millefolium	E, W (44, 47, 49, 51)
	Achillea ptarmica	E
	Anthemis sp.	E

Golovinomyces macrocarpus (cont.)	Argyranthemum pinnatifidum ssp. pinnatifidum	B	
	Cota austriaca	E	
	Cota tinctoria	E	
	Cota tinctoria ssp. tinctoria	W (41)	
	Cotula turbinata	B	
	Glebionis coronaria	B	
	Glebionis segetum	E, W (35, 43, 46, 50-52)	
	Ismelia carinata	B	
	Matricaria chamomilla	E	
	Matricaria discoidea	E	
	Tanacetum balsamita	B	
	Tanacetum bipinnatum ssp. bipinnatum	B	
	Tanacetum coccineum	S	
	Tanacetum macrophyllum	B	
	Tanacetum parthenium	E, W (50)	
	Tanacetum peregrinum	B	
	Tanacetum roseum	S	
	Tanacetum vulgare	E, S, W (42, 43, 46, 49)	
	Golovinomyces magnicellulatus var. magnicellulatus	Phlox divaricata	E
		Phlox drummondii	E
Phlox paniculata		E, I, W (44, 46)	
Phlox paniculata 'Border Gem'		W (47)	
Phlox paniculata 'Fujiyama'		E	
Phlox paniculata 'Louis Blanc'		S	
Phlox sp.		E, W (35, 41, 44, 46, 47, 50, 51)	
Golovinomyces monardae	Polemonium caeruleum	E	
	Melissa officinalis	E, W (44, 46, 47, 52)	
	Mentha aquatica	E, I, W (42, 44, 46)	
	Mentha arvensis	E, I	
	Mentha longifolia	W (49)	
	Mentha × piperita	E	
	Mentha requienii	W (49)	
	Mentha × rotundifolia	S	
	Mentha sp.	W (41, 49)	
	Mentha spicata	E, W (42, 43, 52)	
	Mentha suaveolens	E, S, W (49, 52)	
	Mentha × villosa	E, W (43, 44, 46)	
	Mentha × villosa var. alopecuroides	E, W (49)	
	Monarda didyma	E	
	Monarda sp.	E	
	Monarda 'Vintage Wine'	W (44)	
	Origanum vulgare	E, W (42)	
	Rosmarinus officinalis	E	
	Rosmarinus sp.	B	
	Thymus drucei	W (42, 44, 49)	

Golovinomyces montagnei	<i>Carduus acanthoides</i>	E	
	<i>Carduus crispus</i>	E, W (43, 46)	
	<i>Carduus nutans</i>	E	
	<i>Carduus tenuiflorus</i>	E, W (52)	
	<i>Carthamus caeruleus</i>	B	
	<i>Carthamus tinctorius</i>	B	
	<i>Centaurea cyanus</i>	E, S	
	<i>Centaurea cynaroides</i>	B	
	<i>Centaurea dealbata</i>	B	
	<i>Centaurea kotschyana</i>	B	
	<i>Centaurea macrocephala</i>	B	
	<i>Centaurea macroptilon</i>	B	
	<i>Centaurea montana</i>	E	
	<i>Centaurea nigra</i>	E, I, S, W (41-44, 46, 47, 49, 52)	
	<i>Centaurea oxylepis</i>	B	
	<i>Centaurea scabiosa</i>	E, W (52)	
	<i>Cirsium acaule</i>	E	
	<i>Cirsium arvense</i>	E, S, W (46)	
	<i>Cirsium eriophorum</i>	E	
	<i>Cirsium heterophyllum</i>	E, S	
	<i>Cirsium oleraceum</i>	B	
	<i>Cirsium palustre</i>	E, S, W (44, 46, 47)	
	<i>Cirsium rivulare</i> 'Atropurpurea'	E	
	<i>Cirsium vulgare</i>	E, S, W (42-46, 48, 49, 52)	
	<i>Cnicus benedictus</i>	B	
	<i>Cynara cardunculus</i>	E, W (46, 49)	
	<i>Cynara cardunculus</i> var. <i>scolymus</i>	B	
	<i>Silybum eburneum</i>	B	
	Golovinomyces neosalviae	<i>Salvia officinalis</i>	E, I, S, W (42, 48, 49, 50)
		<i>Acanthus mollis</i>	E, S
	Golovinomyces orontii	<i>Acanthus spinosus</i>	E, W (42)
		<i>Antirrhinum majus</i>	E, I, S, W (43, 46, 49)
		<i>Begonia minor</i> agg.	S
<i>Begonia</i> sp.		E	
<i>Begonia sutherlandii</i>		S	
<i>Bryonia dioica</i>		B	
<i>Campanula glomerata</i>		S	
<i>Campanula latifolia</i>		E	
<i>Campanula persicifolia</i>		B	
<i>Capsella bursa-pastoris</i>		E	
<i>Caralluma</i> sp.		S	
<i>Centranthus ruber</i>		E, W (44, 46, 48-50)	
<i>Chrysanthemum chanetii</i>		B	
<i>Chrysanthemum</i> × <i>grandiflorum</i>		E, I, S, W (51)	
<i>Chrysanthemum</i> × <i>morifolium</i>		B	
<i>Chrysanthemum</i> spp.		B	
<i>Chrysanthemum zawadskii</i>		B	

Golovinomyces orontii (cont.)	Citrullus spp.	E/S
	Cucumis sativus	E, S
	Cucurbita maxima	E
	Cucurbita moschata	B
	Cucurbita pepo	E, I, S, W (42, 44, 46, 48)
	Cyclamen sp.	B
	Cymbalaria muralis	E, S, W (46, 48, 49, 52)
	Digitalis purpurea	W (47)
	Erica sp.	B
	Eucalyptus cinerea	B
	Eucalyptus coccifera	B
	Eucalyptus dalrympleana	B
	Eucalyptus globulus	B
	Eucalyptus gunnii	B
	Eucalyptus niphophila	B
	Eucalyptus nutans	B
	Eucalyptus perriniana	B
	Eucalyptus spp.	B
	Eucalyptus woodwardii	B
	Hedera helix agg.	B
	Helianthus annuus	W (48)
	Helianthus × laetiflorus 'Lemon Queen'	W (48)
	Helianthus tuberosus	E
	Hydrangea sp.	B
	Hylotelephium spectabile	E
	Linaria maroccana	E
	Linaria purpurea	E, W (44, 46)
	Linaria repens	W (46)
	Linaria vulgaris	W (44)
	Linum sp.	I, W (45)
	Linum usitatissimum	E, W (49)
	Malva sylvestris	E, W (44)
	Misopates orontium	B
	Nicotiana glauca	W (41)
	Nicotiana glauca	B
	Papaver dubium	E, W (46, 52)
	Papaver lecoqii	E
	Papaver rhoeas	E, W (46, 49)
	Papaver rhoeas var. wilkesii	E
	Papaver somniferum	E, S, W (43, 46, 48, 49, 52)
	Patrinia scabiosifolia	W (44)
	Penstemon cv.	E
	Petunia sp.	E, W (43)
	Petunia × hybrida	E, W (43, 44, 46, 49)
	Phedimus spurius	B
	Philadelphus sp.	B
	Philadelphus × virginalis	W (44)

Golovinomyces orontii (cont.)	Ricinus communis	B	
	Solanum tuberosum	E, W (49)	
	Solanum tuberosum 'Majestic'	S	
	Streptocarpus sp.	S	
	Valeriana dioica	W (44)	
	Valeriana officinalis	E, S, W (42-44, 46, 47, 52)	
	Valeriana phu	E, W (46)	
	Valeriana pyrenaica	E, W (42, 44)	
	Valerianella carinata	E, W (43, 44, 46, 49, 52)	
	Valerianella locusta var. locusta	E, W (46)	
	Valerianella locusta var. oleracea	W (46)	
	Verbena bonariensis	E, I, W (35, 44, 46)	
	Verbena × hybrida	E	
	Verbena officinalis	E	
	Veronica arvensis	E	
	Veronica chamaedrys	E, W (44, 46)	
	Veronica × franciscana	B	
	Veronica persica	E, W (44, 49)	
	Veronica polita	E	
	Veronica speciosa	B	
	Veronica teucrium	E	
	Vinca major	S	
	Viola arvensis	E	
	Viola cornuta 'Rocky'	E	
	Viola sp.	E, W (49)	
	Viola tricolor	E, S	
	Viola × wittrockiana	E, W (43, 46, 49)	
	Golovinomyces pseudosepultus	Grindelia sp.	E
	Golovinomyces riedlianus	Asperula sp. cv.	E
		Galium album	E
		Galium sp.	B
		Galium spurium	E
	Golovinomyces salviae	Galium verum	E
Salvia nemorosa		E	
Salvia sp.		E	
Salvia verbenaca		E	
Golovinomyces senecionis	Salvia verbenaca ssp. horminoides	E	
	Tussilago farfara	E, W (50)	
Golovinomyces sonchicola	Sonchus arvensis	E, S, W (42, 44, 46, 48)	
	Sonchus asper	E, I, S, W (35, 41-49)	
	Sonchus asper ssp. glaucescens	W (46)	
	Sonchus oleraceus	E, I, S, W (35, 41-49, 52)	
	Sonchus palustris	B	
	Sonchus pinnatifidus	B	
	Golovinomyces sordidus	Plantago coronopus	E, I, W (44, 46)
Plantago lanceolata		E, S, W (41, 44-48)	
Plantago major		E, I, S, W (35, 41-47, 49, 51)	
Plantago major 'Rosularis'		W (44)	

Golovinomyces sordidus (cont.)	Plantago major 'Rubrifolia'	W (42)
	Plantago major ssp. intermedia var. intermedia	E
	Plantago major ssp. intermedia var. salina	W (46)
	Plantago major ssp. major	W (35, 41-48, 50)
	Plantago maritima	E, I, S, W (35, 41, 44-46, 51)
	Plantago media	E, W (44)
Golovinomyces spadiceus	Plantago sp.	W (48, 49, 52)
	Dahlia coccinea	E
	Dahlia pinnata	B
	Dahlia × hortensis	E
	Zinnia elegans	B
Golovinomyces verbasci	Zinnia sp.	B
	Verbascum chaixii 'Album'	E
	Verbascum chaixii cv.	W (46)
	Verbascum cv.	W (46)
	Verbascum 'Dark Eyes'	W (49)
	Verbascum nigrum	E, S, W (42-44, 46-49, 52)
	Verbascum nigrum var. album	W (43)
	Verbascum olympicum	E
	Verbascum phlomoides	B
	Verbascum pulverulentum	E
	Verbascum × semialbum	W (48)
	Verbascum sp.	E, W (35, 41, 44-52)
	Verbascum thapsus	E, I, S, W (35, 41-44, 46-51)
Golovinomyces verbenae	Verbascum virgatum	E
	Verbena bonariensis	E, I
	Verbena × hybrida	W (44)
	Verbena lasiostachys	B
	Verbena macdougalii	B
	Verbena sp.	E, S
	Verbena stricta	B
	Verbena 'Voodoo Red Star'	W (46)
Golovinomyces vincae	Vinca major	E, W (35, 42, 48-50)
	Vinca major 'Variegata'	E, W (49)
	Vinca minor	S
Leveillula clavata	Euphorbia pulcherrima	E
Leveillula contractirostris	Alcea sp.	B
	Malva olbia	E
	Sidalcea malviflora	W (50)
	Cynara cardunculus	E
Leveillula lappae	Gaillardia sp.	B
	Gazania sp.	B
	Oxalis acetosella	E
Leveillula oxalidicola	Picris sp.	B
Leveillula picridis	Ricinus sp.	E
Leveillula ricini		

Leveillula taurica s. l.	Echium sp.	S	
	Echium vulgare	E, W (51)	
	Greyia sp.	E	
	Helianthemum 'Amabile Plenum'	S	
	Helianthemum apenninum 'Ben Macdhui'	S	
	Helianthemum chamaesistus 'Chocolate Blotch'	S	
	Helianthemum nummularium ssp. grandiflorum	E	
	Helianthemum nummularium ssp. nummularium	E	
	Helianthemum sp.	S	
	Helianthemum violaceum 'Rhodanthe Carneum'	B	
	Pachycymbium sp.	E	
	Leveillula verbasci	Verbascum nigrum	E
		Verbascum olympicum	E
		Verbascum thapsus	E, S, W (45, 49)
	Neoerysiphe cumminsiana	Tagetes sp.	W (41)
Neoerysiphe galeopsidis	Acanthus mollis	E, W (35, 42-44, 46, 47, 49, 50, 52)	
	Acanthus sp.	W (41)	
	Acanthus spinosus	E, W (46)	
	Ajuga reptans	E, W (49)	
	Ajuga reptans 'Bronze Bugle'	E	
	Ajuga reptans 'Burgundy Glow'	E	
	Alcea rosea	B	
	Ballota nigra	E, W (41, 46)	
	Betonica officinalis	E, W (42, 46, 49)	
	Catalpa bignonioides 'Aurea'	E	
	Catalpa speciosa	E	
	× Chitalpa cv.	B	
	Clinopodium acinos	B	
	Galeopsis angustifolia	E	
	Galeopsis bifida	E, W (35, 46, 47)	
	Galeopsis ladanum	E	
	Galeopsis segetum	E	
	Galeopsis sp.	W (35, 43, 47)	
	Galeopsis speciosa	E	
	Galeopsis tetrahit	E, W (35, 42-44, 46-48)	
	Glechoma hederacea	E, S, W (41, 44, 46)	
	Lamiastrum galeobdolon ssp. argentatum	E, W (42-49, 52)	
	Lamiastrum galeobdolon ssp. montanum	E, S, W (42, 43, 46)	
	Lamium album	E, S, W (42-47, 49-51)	
	Lamium amplexicaule	E, S, W (44, 46)	

Neoerysiphe galeopsidis (cont.)	Lamium confertum	B
	Lamium hybridum	E, W (46, 49, 52)
	Lamium maculatum	E, S, W (47)
	Lamium purpureum	E, I, S, W (35, 42, 43, 45-49, 52)
	Lamium sp.	S
	Lycopus sp.	B
	Marrubium incanum	B
	Marrubium vulgare	S
	Melissa officinalis	W (46)
	Monarda didyma	E
	Nepeta cataria	W (44)
	Origanum sp.	S
	Origanum vulgare	E, W (52)
	Rosmarinus officinalis	E, S
	Salvia officinalis	E
	Salvia verbenaca	E
	Sideritis sp.	S
	Stachys alpina	B
	Stachys × ambigua	E, S, W (49)
	Stachys arvensis	E, W (42, 46, 49)
	Stachys byzantina	E, S, W, (47-52)
	Stachys byzantina 'Big Ears'	W (46)
	Stachys germanica	E
	Stachys palustris	E, I, S, W (41, 45, 46, 52)
	Stachys sylvatica	E, I, S, W (35, 41-44, 46-50, 52)
	Neoerysiphe galii	Cruciata laevipes
Galium album		W (49)
Galium aparine		E, S, W (41-47, 49, 52)
Galium odoratum		E, S, W (43, 44, 46, 47, 49, 52)
Galium palustre		E
Galium verum		S, W (43)
Rubia peregrina		B
Neoerysiphe geranii	Geranium 'Brookside'	E
	Geranium collinum	W (46)
	Geranium × johnsonii 'Johnson's Blue'	W (42)
	Geranium × magnificum	E, W (44, 46)
	Geranium phaeum	I
	Geranium pratense	E, W (35, 44, 46)
	Geranium pratense 'Summer Skies'	W (44)
	Geranium psilostemon	E
	Geranium sinense	S
Geranium sp.	E, S, W (52)	
Neoerysiphe nevoi	Catananche caerulea	E
	Lapsana communis ssp. communis	E, I, S, W (41, 42, 44, 46, 47, 51)

Nyssopsora echinata	Meum athamanticum	S
Oidiopsis cisti	Helianthemum sp.	W (51)
	Cistus sp.	W (51)
Oidiopsis parietariae	Parietaria judaica	E
Oidium sp.	Ulex europaeus	W (49)
	Ulex gallii	W (46)
Phyllactinia alnicola	Alnus glutinosa	E, I, S, W (41, 44)
	Alnus sp.	S
Phyllactinia berberidis	Berberis vulgaris	E
Phyllactinia betulae	Betula ermanii	E
	Betula kamtschatica	W (46)
	Betula litwinowii	E
	Betula pendula	E, I, S, W (41, 46, 48, 49)
	Betula pubescens	E, S, W (46, 49)
	Betula pubescens ssp. celtiberica	W (42, 43, 46-48)
	Betula pubescens ssp. pubescens	E, W (43, 46)
	Betula sp.	E, S
	Betula utilis ssp. jacquemontii	E, W (42, 46, 47)
Phyllactinia calycanthi	Calycanthus sp.	E, S
Phyllactinia carpini	Carpinus betulus	E, W (51)
Phyllactinia corni	Cornus sp.	E, S
Phyllactinia enkianthi	Rhododendron sp.	S
Phyllactinia fraxini	Fraxinus excelsior	E, I, S, W (35, 41-52)
	Fraxinus excelsior 'Pendula'	W (46)
	Syringa vulgaris	E
Phyllactinia guttata	Corylus avellana	E, I, S, W (35, 41-52)
	Corylus avellana 'Contorta'	E, W (46, 47)
	Corylus avellana f. schizochlamys	W (43, 46)
	Corylus maxima	B
Phyllactinia mali	Crataegus laevigata	E
	Crataegus monogyna	E, W (42-44, 46, 47)
	Crataegus monogyna f. biflora	W (46)
	Crataegus sp.	W (44)
	Cydonia sp.	B
	Mespilus germanica	B
	Prunus avium	B
	Prunus cerasus	B
	Prunus spinosa	W (42)
	Pyracantha coccinea	E
Phyllactinia marissalii	Acer campestre	W (43, 46, 47, 50)
	Acer platanoides	W (46, 47)
	Acer pseudoplatanus	E, W (46, 50)
	Acer sp.	S
Phyllactinia orbicularis	Fagus sylvatica	E, I, S, W (42, 45-47, 49-52)
	Fagus sylvatica 'Purpurea'	W (46)
Phyllactinia ribis	Ribes sp.	E
Phyllactinia roboris	Castanea sativa	W (44)
Podosphaera amelanchieris	Amelanchier lamarckii	E, I, S, W (41-44, 46, 48-51)

Podosphaera ampla	<i>Prunus domestica</i>	E, S, I, W (35, 49)
	<i>Prunus domestica</i> ssp. <i>domestica</i>	E
	<i>Prunus domestica</i> ssp. <i>insititia</i>	W (43, 46)
	<i>Prunus domestica</i> ssp. <i>insititia</i> var. <i>damascena</i>	E, W (46)
	<i>Prunus domestica</i> ssp. <i>insititia</i> var. <i>nigra</i>	W (42, 43, 46)
Podosphaera aphanis var. <i>aphanis</i>	<i>Prunus spinosa</i>	E, I, S, W (35, 42-44, 46, 52)
	<i>Acaena magellanica</i>	E
	<i>Agrimonia eupatoria</i>	E
	<i>Alchemilla alpina</i>	S
	<i>Alchemilla conjuncta</i>	E
	<i>Alchemilla erythropoda</i>	B
	<i>Alchemilla filicaulis</i> ssp. <i>vestita</i>	E, S, W (41)
	<i>Alchemilla glabra</i>	E, S, W (46, 48, 49, 52)
	<i>Alchemilla mollis</i>	E, S, W (50, 52)
	<i>Alchemilla murbeckiana</i>	B
	<i>Alchemilla</i> sp.	S
	<i>Alchemilla vulgaris</i>	E
	<i>Alchemilla xanthochlora</i>	E, S
	<i>Aphanes arvensis</i>	E
	<i>Aphanes australis</i>	I, W (46)
	<i>Comarum palustre</i>	S, W (46)
	<i>Dasiphora fruticosa</i>	E
	<i>Dasiphora fruticosa</i> 'Vilmoriniana'	E
	<i>Eucalyptus</i> spp.	S
	<i>Fragaria ananassa</i>	E, W (49)
	<i>Fragaria</i> sp.	S
	<i>Fragaria vesca</i>	E, W (44, 46)
	<i>Geum</i> 'Borisii'	B
	<i>Geum coccineum</i>	B
	<i>Geum</i> × <i>heldreichii</i>	B
	<i>Geum japonicum</i>	E
	<i>Geum macrophyllum</i>	W (46-48)
	<i>Geum pyrenaicum</i>	B
	<i>Geum quellyon</i>	B
	<i>Geum rivale</i>	E, S, W (43, 44)
	<i>Geum urbanum</i>	E, I, S, W (35, 41-49, 51, 52)
	<i>Geum</i> × <i>intermedium</i>	W (43)
	<i>Potentilla anglica</i>	E, W (46)
	<i>Potentilla anserina</i>	E, I
	<i>Potentilla erecta</i>	E, S, W (46, 49)
	<i>Potentilla erecta</i> ssp. <i>erecta</i>	S, W (41-43, 46, 48)
	<i>Potentilla</i> × <i>mixta</i>	E, W (42, 43)
<i>Potentilla recta</i>	E	
<i>Potentilla reptans</i>	E, I, S, W (42, 44, 46, 49, 52)	
<i>Potentilla sterilis</i>	E, W (43, 44, 46, 49)	
<i>Potentilla</i> × <i>suberecta</i>	W (46, 49)	

Podosphaera aphanis var. aphanis (cont.)	Rubus caesius	E	
	Rubus discolor	B	
	Rubus fruticosus agg.	E, W (41)	
	Rubus idaeus	E, S, W (46)	
Podosphaera aucupariae	Rubus loganobaccus	B	
	Sorbus aria	E	
Podosphaera balsaminae	Sorbus aucuparia	E, I, S, W (41-44, 46, 48)	
	Impatiens balsamina	B	
Podosphaera clandestina	Impatiens noli-tangeri	E, W (48)	
	Crataegus laevigata	S, W (51)	
	Crataegus monogyna f. biflora	W (46)	
	Cydonia sp.	B	
	Pyrus sp.	W (46)	
	Spiraea douglasii	B	
	Spiraea salicifolia	B	
	Spiraea sp.	E	
	Crataegus laevigata 'Paul's Scarlet'	W (46)	
	Crataegus monogyna	E, I, S, W (35, 41-44, 46-52)	
	Crataegus sp.	W (35, 44, 48, 49, 52)	
	Crataegus × subsphaerica	W (46)	
	Cydonia oblonga	S	
	Mespilus germanica	B	
	Pyracantha sp.	E	
Pyrus calleryana	W (42, 43, 46)		
Podosphaera collomiae	Phlox sp.	E	
Podosphaera delphinii	Consolida sp.	S	
	Delphinium sp.	E, S	
Podosphaera dipsacacearum	Cephalaria sp. cv.	B	
	Dipsacus fullonum	E, W (35, 42-46, 48-51)	
	Dipsacus laciniatus	E	
	Dipsacus sp.	S	
	Knautia arvensis	E	
	Knautia macedonica	E, I, W (48, 50)	
	Knautia 'Red Knight'	E	
	Scabiosa atropurpurea	E	
	Podosphaera epilobii	Chamaenerion angustifolium	E, I, S
		Epilobium brunnescens	E, S, W (43, 44, 46, 48)
Epilobium ciliatum		E, I, W (41-48)	
Epilobium hirsutum		E, I, S, W (35, 41-44, 46, 49, 51)	
Epilobium × interjectum		W (43, 46)	
Epilobium lanceolatum		W (46)	
Epilobium montanum		E, I, S, W (42-49)	
Epilobium obscurum		W (43, 46-48, 52)	
Epilobium palustre		E, S, W (41-44, 46, 48, 49, 52)	
Epilobium parviflorum		E, I, S, W (44, 46, 49)	
	Epilobium pedunculare	B	

Podosphaera epilobii (cont.)	Epilobium × persicinum	B
	Epilobium roseum	E, S, W (48)
	Epilobium tetragonum	E, W (42, 46)
	Epilobium × vicinum	W (46)
Podosphaera erigerontis- canadensis	Chamaemelum suaveolens	E
	Crepis capillaris	E
	Crepis paludosa	E, S
	Crepis setosa	B
	Crepis vesicaria ssp. taraxacifolia	E
	Dahlia × hortensis	E
	Erigeron acris	E
	Erigeron canadensis	E
	Erigeron floribundus	E, W (42, 44)
	Erigeron karvinskianus	B
	Erigeron sumatrensis	E
	Lapsana communis ssp. communis	E, S, W (35, 41, 43, 44, 50)
	Leontodon hispidus	E, W (44, 48)
	Matricaria chamomilla	W (49)
	Matricaria discoidea	E, I, S, W (41-44, 46, 47, 49, 52)
	Pulicaria dysenterica	E
	Scorzoneroideis autumnalis	E, W (43)
	Taraxacum hamatum	E
	Taraxacum officinale agg.	E, I, S, W (35, 41-52)
	Taraxacum oxoniense	W (46)
	Taraxacum sp.	S
	Taraxacum subnaevosum	E
	Taraxacum unguilobum	E
Tripleurospermum maritimum ssp. maritimum	W (49)	
Podosphaera erodii	Erodium cicutarium	E, W (52)
	Erodium maritimum	W (45)
	Erodium moschatum	E, W (41)
Podosphaera euphorbiae	Euphorbia altissima	B
	Euphorbia amygdaloides cv.	W (43, 48)
	Euphorbia amygdaloides ssp. amygdaloides 'Purpurea'	E, W (35, 46)
	Euphorbia characias	E, W (46)
	Euphorbia dulcis	W (44)
	Euphorbia dulcis 'Chameleon'	W (42, 44)
	Euphorbia epithymoides	E
	Euphorbia esula	B
	Euphorbia esula ssp. tommasiniana	B
	Euphorbia exigua	B
	Euphorbia griffithii	B
	Euphorbia helioscopia	E, S, W (44, 46, 49)
	Euphorbia hyberna	I
	Euphorbia lathyris	E
	Euphorbia orientalis	B

Podosphaera euphorbiae (cont.)	Euphorbia peplus	E, S, W (35, 41-43, 46-49, 51)
	Euphorbia sarawschanica	B
	Euphorbia segetalis	E
	Euphorbia villosa	B
	Euphorbia wallichii	E, S
Podosphaera euphorbiae-hirtae	Pedilanthus sp.	E
Podosphaera ferruginea var. ferruginea	Poterium sanguisorba ssp. balearicum	E
	Poterium sanguisorba ssp. sanguisorba	E, I, W (50, 52)
	Sanguisorba officinalis	E, W (41, 42-44, 46, 47, 50, 52)
Podosphaera filipendulae	Filipendula ulmaria	E, I, S, W (35, 41-46, 48-52)
	Filipendula vulgaris 'Flore Pleno'	W (43, 44)
Podosphaera fugax	Geranium 'Brookside'	E
	Geranium cinereum	B
	Geranium clarkei	E
	Geranium cv.	W (43)
	Geranium dissectum	E, I, W (35, 42-44, 46, 48, 49, 52)
	Geranium himalayense	E
	Geranium × magnificum	W (46, 49)
	Geranium molle	E, I, S, W (35, 41-49, 52)
	Geranium 'Nimbus'	E
	Geranium phaeum	E
	Geranium pratense	E, S, W (35, 46, 49, 52)
	Geranium pusillum	E
	Geranium pyrenaicum	E, I, W (35, 44)
	Geranium robertianum	E
	Geranium rotundifolium	E, W (46)
	Geranium sanguineum	E, S, W (44)
	Geranium sylvaticum	E, S
	Geranium wallichianum	E
Podosphaera fuliginea	Veronica agrestis	E, W (43)
	Veronica arvensis	E, S, W (44)
	Veronica austriaca	B
	Veronica austriaca ssp.teucrium	B
	Veronica chamaedrys	E, S, W (44, 46)
	Veronica exaltata	B
	Veronica gentianoides	B
	Veronica longifolia	E, S, W (46)
	Veronica montana	E
	Veronica orchidea	B
	Veronica persica	W (48)
	Veronica polita	W (44)
	Veronica serpyllifolia	E

Podosphaera fuliginea (cont.)	Veronica sp.	E, S	
	Veronica spicata	E, S, W (42, 44)	
	Veronica spuria	B	
	Veronicastrum virginicum	B	
Podosphaera fusca	Doronicum pardalianches	E, W (42, 43)	
	Doronicum plantagineum	E	
	Doronicum sp.	E, S	
Podosphaera helianthemi	Helianthemum cvs.	W (51)	
	Helianthemum nummularium	B	
	Helianthemum pilosum	B	
	Helianthemum sp.	E, I, S	
	Helianthemum violaceum	B	
	Tuberaria guttata	B	
Podosphaera leucotricha	Cydonia oblonga	E, W (46)	
	Malus baccata var. praecox	E	
	Malus cv.	E, I, S, W (35, 42, 52)	
	Malus domestica	E, I, S, W (42-44, 46-51)	
	Malus domestica 'Adam's Permain'	W (48)	
	Malus domestica 'American Mother'	W (49)	
	Malus domestica 'Ashmeads Kernel'	W (49)	
	Malus domestica 'Bramley's Seedling'	W (49)	
	Malus domestica 'Charles Ross'	W (49)	
	Malus domestica 'Claygate Permain'	W (49)	
	Malus domestica 'Crawley Beauty'	W (48)	
	Malus domestica 'Dockney'	I	
	Malus domestica 'Egremont Russet'	W (48, 49)	
	Malus domestica 'Greasy Pippin'	W (49)	
	Malus domestica 'Greensleeves'	W (49)	
	Malus domestica 'Herefordshire Russet'	W (48)	
	Malus domestica 'James Grieve'	W (43)	
	Malus domestica 'Katy'	W (49)	
	Malus domestica 'Monmouth Green'	W (49)	
	Malus domestica 'Wagener'	W (43)	
	Malus floribunda	E	
	Malus sylvestris	E, S, W (35, 42, 43)	
	Malus sylvestris s. l.	I	
	Photinia serratifolia var. serratifolia	B	
	Pyrus communis	E	
	Stranvaesia davidiana	S	
	Podosphaera lini	Linum usitatissimum	E
	Podosphaera macrospora	Heuchera cvs.	E
		Heuchera sanguinea	W (51)
		Tellima grandiflora	E, W (42, 43, 46, 48, 49)
		Tolmiea menziesii	W (46, 48)

Podosphaera macularis	Humulus lupulus	E, S, W (35, 41, 47, 51)
	Humulus scandens	E
	Humulus sp.	S
Podosphaera mors-uvae	Ribes fasciculatum	B
	Ribes nigrum	E, S, W (43, 46)
	Ribes rubrum	S, W (43, 50, 52)
	Ribes sanguineum	E, S, W (42-44, 46, 49)
	Ribes sp.	I
	Ribes uva-crispa	E, S, W (42, 43, 46, 49)
Podosphaera myrtillina var. myrtillina	Vaccinium myrtillus	E, I, S, W (35, 42, 43, 46, 48-51)
Podosphaera pannosa	Forsythia sp.	E
	Prunus domestica	E
	Prunus dulcis	B
	Prunus laurocerasus	E, W (46)
	Prunus lusitanica	E, W (46)
	Prunus persica	E
	Rosa × alba	B
	Rosa 'Albertine'	W (49)
	Rosa 'American Pillar' cf.	W (44, 46)
	Rosa arvensis	E, S, W (42-44, 46-48)
	Rosa 'Brenda Colvin'	W (49)
	Rosa canina	W (41, 44, 46)
	Rosa canina agg.	E, S, W (35, 42, 43, 46)
	Rosa centifolia	B
	Rosa 'Charlotte'	E
	Rosa cvs.	E, S, W (41, 43, 44, 49)
	Rosa damascena	B
	Rosa 'Dorothy Perkins'	E, W (41, 43, 44, 47, 49)
	Rosa 'Dublin Bay'	W (42)
	Rosa × dumalis	B
	Rosa filipes 'Kiftsgate'	W (43)
	Rosa 'Floribunda Group'	W (44)
	Rosa gallica	B
	Rosa × irregularis	E
	Rosa 'L. D. Braithwaite'	E
	Rosa micrantha	E
	Rosa 'Minnehaha'	E, W (42)
	Rosa mollis	W (50)
	Rosa 'Mulliganii'	E, W (46)
	Rosa multiflora	E, W (46, 49)
	Rosa 'Paul Transom'	W (47)
	Rosa 'Paul's Himalayan Musk'	W (42, 43)
	Rosa 'Polyantha'	B
	Rosa 'Princess Alexandra of Kent'	E
	Rosa rubiginosa	B
	Rosa rugosa	E, W (43, 46, 49)
	Rosa sericea ssp. omeiensis	S

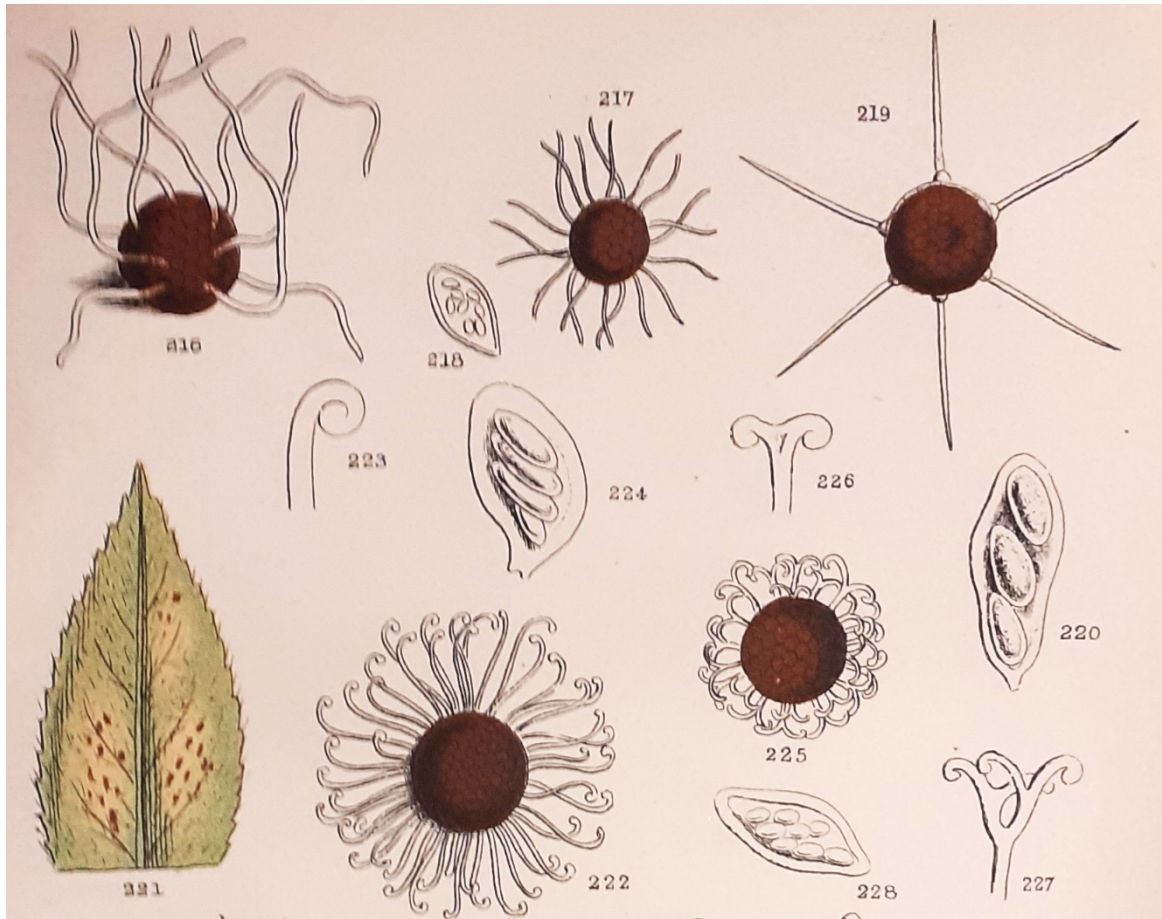
Podosphaera pannosa (cont.)	Rosa setigera hybrid	W (46)
	Rosa sherardii	W (46)
	Rosa sp.	E, I, S, W (35, 41, 46)
	Rosa spinosissima	E
	Rosa squarrosa	E
	Rosa 'Thomas à Becket'	E
	Rosa tomentosa	B
	Rosa 'Vanessa Bell'	E
	Rosa virginiana	B
	Rosa 'Winchester Cathedral'	E
	Rosa 'Zéphirine Drouhin'	W (43)
Podosphaera parietariae	Parietaria judaica	E, W (46, 49)
Podosphaera pericallidis	Pericallis × hybrida	E, S
	Pericallis Senetti Series	W (49)
Podosphaera phtheirospermi	Bartsia alpina	B
	Euphrasia arctica	B
	Euphrasia confusa	E, S, W (52)
	Euphrasia confusa × nemorosa	W (46)
	Euphrasia nemorosa	E, W (44, 46)
	Euphrasia officinalis ssp. anglica	W (46)
	Euphrasia officinalis ssp. pratensis	W (46)
	Euphrasia salisburgensis	S
	Euphrasia sp.	E, S, W (49)
	Melampyrum pratense	B
	Odontites vernus	E, S, W (44, 50, 51)
	Pedicularis sylvatica	S
	Rhinanthus minor	E, S
Podosphaera physocarpi	Physocarpus sp.	B
Podosphaera plantaginis	Plantago coronopus	E
		E, I, S, W (35, 41, 43-47, 49-52)
	Plantago lanceolata	49-52)
	Plantago major	E, S
	Plantago media	E
Podosphaera polemonii	Polemonium caeruleum	E
	Polemonium sp.	S
Podosphaera pruinosa	Rhus sp.	E
Podosphaera pruinosa cf.	Rhus typhina	E
Podosphaera pruni-avium	Prunus avium	B
Podosphaera pruni-lusitanicae	Prunus lusitanica	E, I
Podosphaera senecionis	Jacobaea aquatica	E, I, W (43, 44, 46)
	Jacobaea erucifolia	E, W (46)
	Jacobaea vulgaris	E, I, S, W (43, 44, 46, 48-50, 52)
	Senecio sarracenicus	E
	Senecio vulgaris	E, I, W (42, 43, 46, 48)
Podosphaera solanacearum	Petunia sp.	S

Podosphaera spiraeae	<i>Spiraea</i> × <i>arguta</i>	E
	<i>Spiraea</i> × <i>billardii</i>	W (46)
	<i>Spiraea</i> × <i>bumalda</i>	W (35)
	<i>Spiraea cantoniensis</i> 'Flore Pleno'	E
	<i>Spiraea douglasii</i>	E
	<i>Spiraea japonica</i> cv.	E, W (43, 46)
	<i>Spiraea</i> sp.	E, I, S, W (35, 41, 43, 46, 47, 49-52)
Podosphaera thalictri	<i>Thalictrum alpinum</i>	S
	<i>Thalictrum aquilegifolium</i>	B
	<i>Thalictrum</i> sp.	W
	<i>Thalictrum sphaerostachyum</i>	E
Podosphaera tridactyla s. s.	<i>Prunus armeniaca</i>	E
	<i>Prunus laurocerasus</i>	E, I, S, W (46, 49)
	<i>Prunus padus</i>	E, S, W (42, 43)
	<i>Prunus persica</i>	E
Podosphaera volkartii	<i>Dryas octopetala</i>	S, I
Podosphaera xanthii	<i>Alkekengi officinarum</i>	E
	<i>Bidens cernua</i>	E
	<i>Bidens tripartita</i>	E
	<i>Calendula arvensis</i>	B
	<i>Calendula officinalis</i>	E, S, W (35, 42-50, 52)
	<i>Calendula officinalis</i> 'Gypsy Festival'	W (44)
	<i>Calendula</i> sp.	W (41)
	<i>Calendula suffruticosa</i>	B
	<i>Coreopsis</i> sp.	E
	<i>Cirsium arvense</i>	W (46)
	<i>Cosmos bipinnatus</i>	W (43, 48)
	<i>Cosmos purpureus</i>	S
	<i>Cosmos</i> sp.	W (49, 52)
	<i>Cucumis sativus</i>	E, S
	<i>Cucurbita moschata</i>	E
	<i>Cucurbita</i> sp.	E
	<i>Dahlia</i> 'Blyton Everest'	E
	<i>Dahlia</i> 'Bracken Lorelei'	E
	<i>Dahlia</i> 'Café au Lait'	E
	<i>Dahlia</i> 'Hamari Gold'	E
	<i>Dahlia</i> × <i>hortensis</i>	E
	<i>Dahlia</i> 'Kilburn Glow'	E
	<i>Dahlia</i> 'Lubega Power White'	W (52)
	<i>Dahlia</i> 'Pacific Argyle'	E
	<i>Dahlia</i> 'Rossendale Flamenco'	E
	<i>Dahlia</i> 'Sandia Rose'	E
	<i>Dahlia</i> 'So Dainty'	E
	<i>Dahlia</i> 'Spartacus'	E
	<i>Impatiens capensis</i>	E, W (41)
	<i>Impatiens glandulifera</i>	B
	<i>Medusagyne oppositifolia</i>	E

Podosphaera xanthii (cont.)	Phlox paniculata	W (41, 46)
	Phlox paniculata 'Fujiyama'	E
	Phlox sp.	E
	Polemonium sp.	E
	Pulicaria dysenterica	E
	Verbena bonariensis	E
	Verbena × hybrida	E
	Verbena officinalis	E
Pseudoidium cyclaminis	Cyclamen persicum	B
Pseudoidium hortensiae	Hydrangea macrophylla cv.	E, W (41, 45, 46, 48, 49, 51, 52)
	Hydrangea macrophylla ssp. serrata	E
	Hydrangea sp.	E, S, W (41)
Pseudoidium kalanchoes	Cotyledon sp.	B
	Crassula sp.	E
	Dudleya farinosa	S
	Dudleya palmeri	E
	Kalanchoe blockforniae	S
	Kalanchoe brachyloba	S
	Rosularia sp.	S
	Cotyledon orbicularis	E
Pseudoidium kalanchoes cf.	Echeveria sp.	E
Pseudoidium lauracearum	Laurus nobilis	E, W (35, 42, 52)
Pseudoidium neolycopersici	Solanum lycopersicum	W (49)
Pseudoidium passiflorae	Passiflora caerulea	W (41, 46)
Pseudoidium poinsettiae	Euphorbia pulcherrima	B
Pseudoidium sp.	Calluna vulgaris cv.	S
Pseudoidium vincae	Vinca major	E, W (41)
Sawadaea bicornis	Acer campestre	E, S, W (35, 41-44, 46-49, 52)
	Acer campestre ssp. campestre var. campestre	W (42, 43)
	Acer campestre ssp. leiocarpum	W (42-44, 46)
	Acer campestre ssp. campestre var. oxytomum	W (43, 46)
	Acer japonicum cv.	S
	Acer negundo	E, W (44, 46)
	Acer platanoides	E, S, W (41, 44, 46, 47)
	Acer pseudoplatanus	E, I, S, W (35, 41-52)
	Acer pseudoplatanus 'Leopoldii'	E
	Acer saccharinum	E
	Acer saccharum	E
	Acer tataricum	E
Sawadaea tulasnei	Acer macrophyllum	E
Sawadaea tulasnei	Acer negundo	E
Sawadaea tulasnei	Acer negundo 'Flamingo'	W (44)
Sawadaea tulasnei	Acer palmatum agg.	E, S
Sawadaea tulasnei	Acer platanoides	E, I, S, W (42, 46, 47)
Sawadaea tulasnei	Acer platanoides 'Goldsworth Purple'	S, W (46)
Sawadaea tulasnei	Acer platanoides 'Schwedleri'	E

Glossary

Amphiphyllous	Occurring on both upper and lower leaf surfaces.
Anamorph	The asexual stage reproducing by means of conidia.
Asci	Sac-like bodies (one to many) formed within the chasmothecia, in which the ascospores develop.
Ascospores	Spores (2-8 in number) formed within the ascus after meiosis.
Branched	Referring to chasmothecial appendages that are repeatedly, tightly and more or less symmetrically branched at the apex.
Chasmothecia	Closed, usually spherical or somewhat flattened bodies, in which the asci develop.
Chasmothecial appendages	Entire or variously forked or branched outgrowths from the chasmothecia.
Conidia	Asexual spores formed singly or in chains at the apex of conidiophores.
Conidial germ tubes	The primary tubes grown out from the conidia that then form hyphae.
Conidiophores	Specialised, unbranched hyphae bearing conidia.
Fibrosin bodies	Minute shard-like reflective bodies within the conidia of <i>Podosphaera</i> and <i>Sawadaea</i> .
Flexuous	Referring to chasmothecial appendages that are generally straight but regularly wavy in the upper part.
Forked	Referring to chasmothecial appendages that are once or a few times irregularly forked.
Hyphal appressoria	Outgrowths from the hyphae for attachment to or penetration of the host epidermis.
Hypophyllous	Occurring only on the underside of leaves.
Teleomorph	The sexual stage reproducing by means of ascospores produced in asci in the chasmothecia.

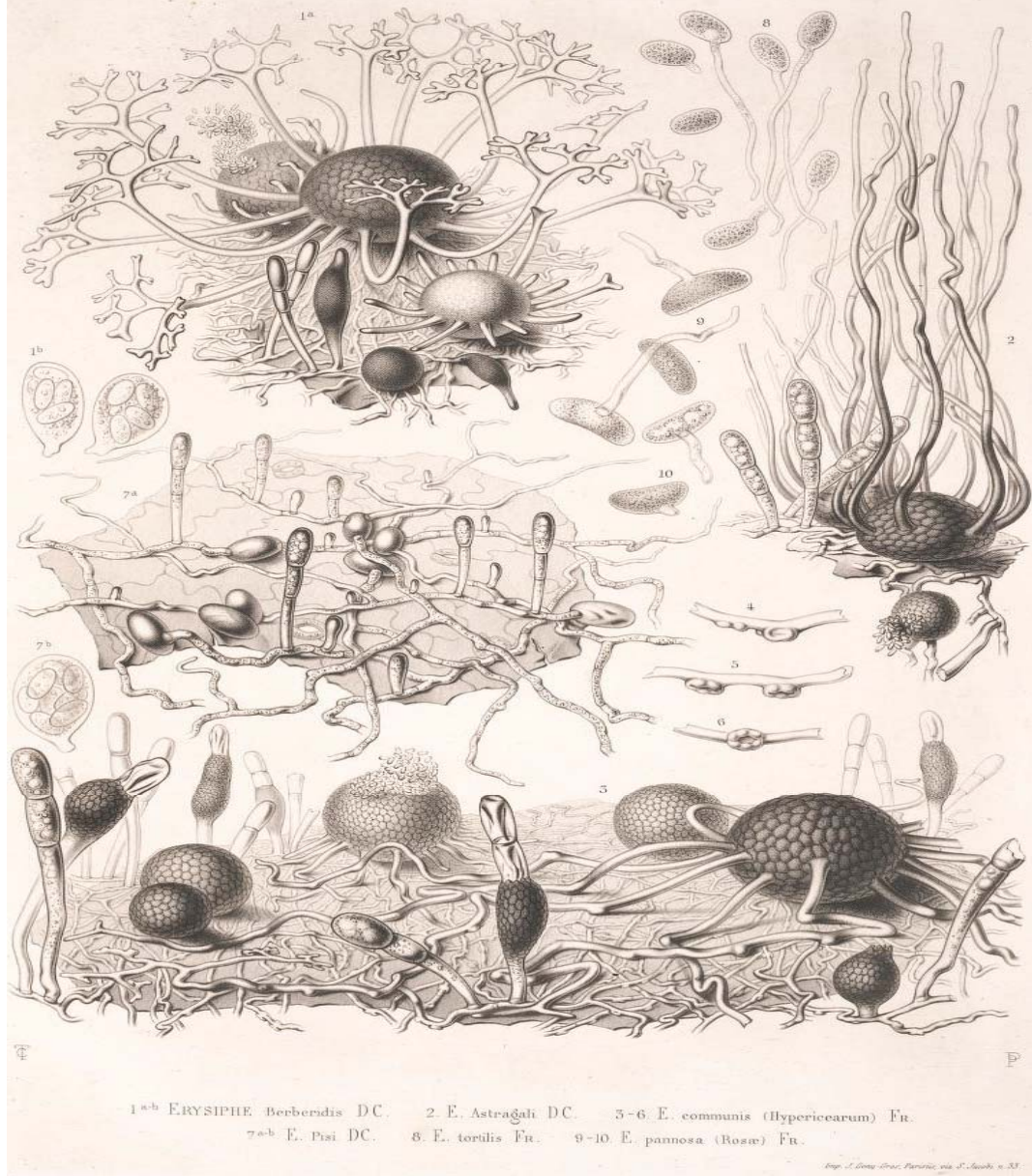


A range of chasmothecia from Plate XI of Cooke, M.C. (1898) *Microscopic Fungi*.

216 Hop Mildew *Podosphaera macularis*; 217 Rose Mildew *P. pannosa*; 219 Hazel Mildew *Phyllactinia guttata*; 222 Willow Mildew *Erysiphe adunca*; 225 Maple Mildew *Sawadaea bicornis*.

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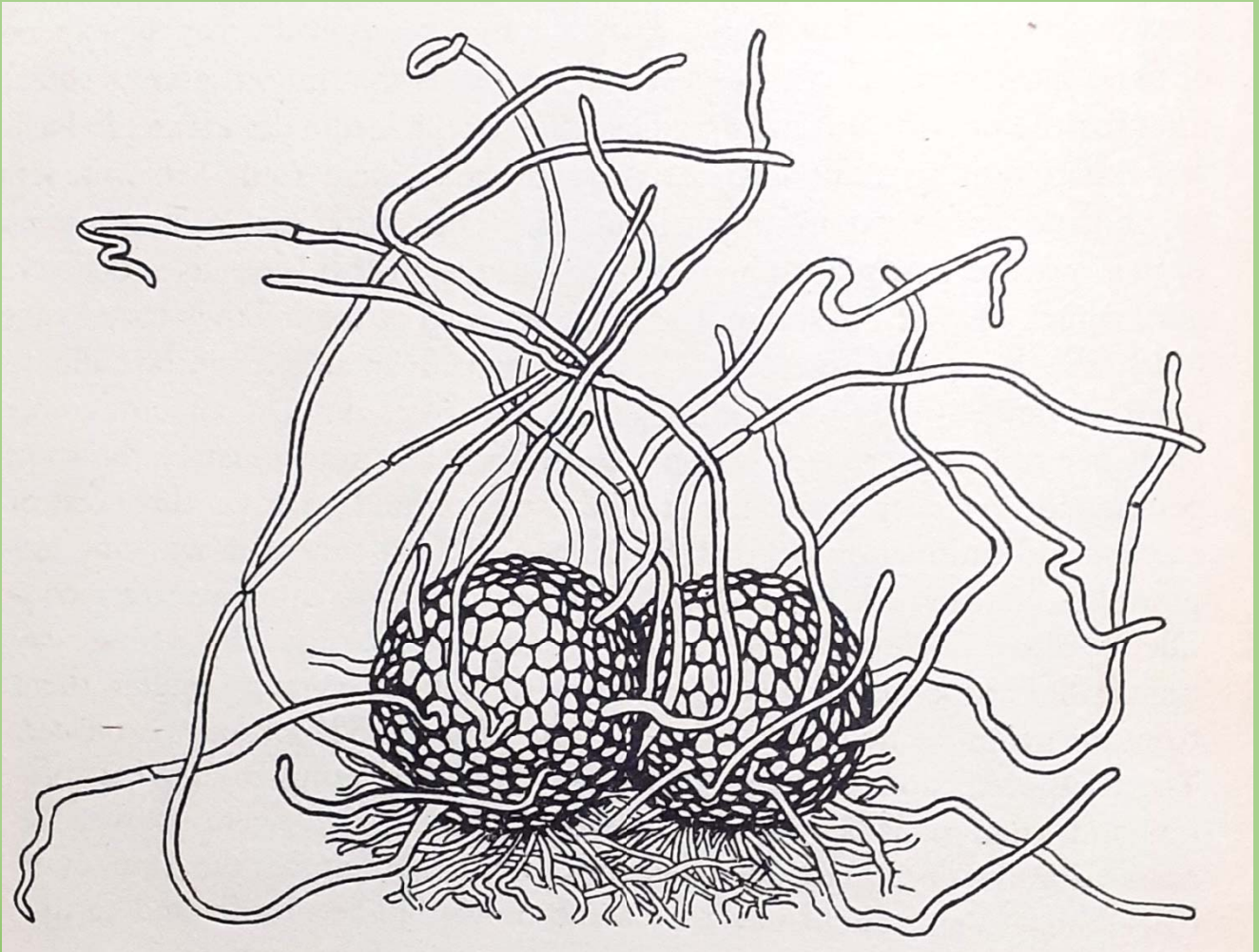
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The front cover features powdery mildews of Oak tree leaves-*Erysiphe alphitoides* to the left and *E. hypodytes* bottom right. Their interesting origins are detailed in the introduction. The former, commonly known as American Oak Mildew, appears to have, at best, tenuous connections with North America, since its origins seem to lie most probably amongst the mangoes of SE Asia! Of late it has found Wisterias in southern England to also be to its liking, so demonstrating the surprisingly close evolutionary relationship of these two hosts. The image top right is of the Ash mildew *Phyllactinia fraxini*.

The powdery mildew of vines (*Erysiphe nectator* var. *nectator*) first appeared in Europe on vines in Margate in 1845 where it quickly destroyed the fruits and by 1850 had spread through the vineyards of France. About the same time a powdery mildew had become widespread on hops and potato blight first made its appearance in Europe, the latter causing human famine and mass migration. These epidemics stimulated the detailed study of micro-fungi. The Rev M.J. Berkeley in Britain and Dr. J.H. Léveillé and the Tulasne brothers, Louis and Charles in France began to tease out the life histories of the powdery mildews. One of Charles Tulasne's never-bettered illustrations of a number of powdery mildews from the brothers' *Selecta Fungorum Carpologia* of 1861 is reproduced above.

The chasmothecium on the title page was taken from plate 73 of Ernst Haeckel's *Kunstformen der Natur*, Leipzig & Vienna: Bibliographisches Institut, 1904.



Hop Mildew *Podosphaera macularis* chasmothecia
from Large (1940) after Tulasne & Tulasne (1861)

ISBN 978-0-9565750-7-4

