

-THE LICHENS OF SASKATCHEWAN, CANADA PROVINCIAL LIST

Introduction

This list was prepared by Bernard de Vries, with the assistance of Dr. Robert A. Wright. Bernard is a Lichenologist living in Emerald Park, Saskatchewan and can be contacted by phone ((306) 781-2385), email (bdevries@accesscomm.ca) or mail (29 Hogan Place, Emerald Park, Saskatchewan, Canada S4L 1C1). Rob Wright is a Plant Ecologist and Science Advisor with the Parks Service Branch, Saskatchewan Ministry of Tourism, Parks, Culture and Sport. He can be contacted by phone ((306) 787-2914), email (rob.wright@gov.sk.ca) or mail (3211 Albert St., Regina, Saskatchewan, Canada, S4S 5W6).

The list was based on the primary literature of North American Lichens (Brodo *et al.* 2001, Thomson 1984, 1997, Vitt *et al.* 1988), government and industry reports, voucher records from the George F. Ledingham Lichen Herbarium, University of Regina, Regina, Saskatchewan, Canada (USAS), plus vouchers and checklists from the University of Saskatchewan (SASK), University of Calgary (UAC), and University of British Columbia (UBC), the National Museums Lichen Herbarium, Ottawa, Ontario, Canada, from collections in de Vries' private Lichen Herbarium (now is the University of Calgary Herbarium), and from data collected during the Forest Ecosystem Classification Survey carried out by the Saskatchewan Forest Service between 1999 and 2005, and compiled in a catalogue of Saskatchewan Lichens (de Vries 1999-2005).

The Provincial List contains: 1) an overall list of species by Latin name and authority, showing growth form and ecozonal distribution; 2) lichen species grouped by growth form, and 3) the lichen species grouped by ecozone. These lists were created from the de Vries-Wright lichen database by Steve Porter, former Information Manager, Species at Risk/Habitat Support Section - Fish & Wildlife Branch, Saskatchewan, and are accessible at <http://www.biodiversity.sk.ca/SppList.htm>. Lichen species are arranged alphabetically and follow Esslinger (2011).

The geographic distribution of the species is indicated by their respective ecozone(s) based on collections incidentally to other activities by earlier explorations, on information given by lichenologists, various herbaria specimens, and literature, especially those published in the last two decades, personal observation, and other sources. Species recorded in close proximity to our provincial borders for Alberta, Manitoba, Northwest Territories, and the U.S.A., have not as yet been recorded for the province, but have great potential of being discovered during future lichenological explorations, and are noted in appendix 1.

Peruse of these Ecozones will reflect distribution ranges and recurring or disjunct distribution patterns, which can be used as a means to find a species in an area from which it has yet to be discovered but can be expected to occur. It also shows that lichens are highly individualistic in their distribution patterns.

For brevity the list has been restricted to ecozones only, causing some discrepancy in lichen records especially for the Prairie ecozone of which the unique Cypress Upland Ecoregion is a part. This important Ecoregion supports many lichen species belonging to the cordilleran and/or alpine element, and are not typical Prairie species. An example can be found in *Letharia vulpina* which is mainly cordilleran and only found in the Cypress Upland Ecoregion in Saskatchewan (Cypress Hills Interprovincial Park) on Lodgepole Pine.

A brief Ecological Overview of the province of Saskatchewan with the emphasis on Lichens, and Historical Overview of research on the Lichen Flora of Saskatchewan and Historical Overview of with Emphasis on Lichens and Research on the Lichen Flora of Saskatchewan is also given.

Ecological Overview of the Province of Saskatchewan with the Emphasis on Lichens by Robert A. Wright, Ph.D.

Physiography

Saskatchewan lies at the convergence of three great physiographic provinces in the heart of the North American continent - the Canadian Shield, the Central Lowlands, and the Great Plains. The transition between the grassland and boreal forest biomes of the continent occurs about one third of the way up the province (north to south). In addition to this north-south change in climate and vegetation, there are ecoclimatic variations in climate across the province from east to west.

This complex of climatic and geological gradients has been divided into four ecozones by Padbury and Acton (1994) as shown in Figure 1.

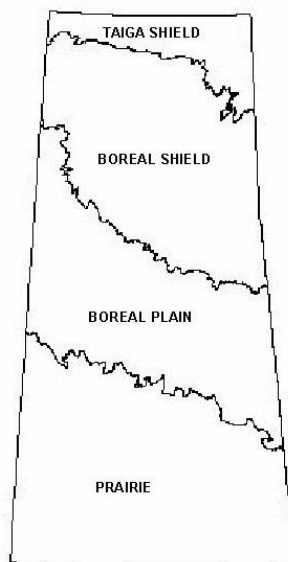


Figure 1. Ecozonal map of Saskatchewan. Ecozonal abbreviations for the provincial lichen list are: Taiga Shield (TS), Boreal Shield (BS), Boreal Plain (BP), Prairie (PR).

The ecozones have been further subdivided into ecoregions (Figure 2).

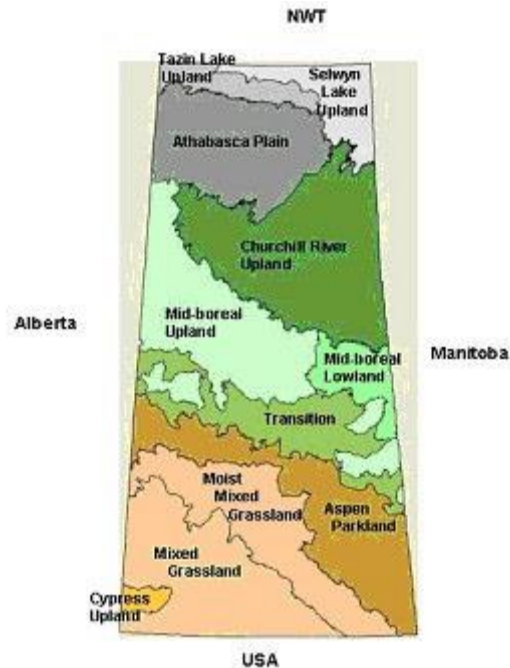


Figure 2. Each ecozone has been divided into two or more ecoregions by Padbury and Acton (1994). These ecoregions are referred to in the discussion of the vegetation of the individual ecozones. The Prairie Ecozone contains the Aspen Parkland, Moist Mixed Grassland, Mixed Grassland, and Cypress Upland Ecoregions; the Boreal Plain Ecozone contains the Midboreal Upland, Midboreal Lowland, and Boreal Transition Ecoregions; the Boreal Shield Ecozone contains the Athabasca Plain and Churchill River Upland Ecoregions; the Taiga Shield Ecozone contains the Tazin Lake Upland and Selwyn Lake Upland Ecoregions.



Figure 3. *Cladonia* (including reindeer lichens) spp. growing with the dwarf shrubs *Loiseleuria procumbens* (a species typical of tundra) and *Ledum decumbens*, near Misaw Lake, SK. The coin in the photo is a Canadian penny (one cent piece). Photo courtesy of Robert A. Wright.

Four Ecozones

In the far north of the province lies the rocky terrain of the Taiga Shield (Figure 1) with its expanses of lichen woodland and peatland vegetation dominated by black spruce. The continuous canopy of the taiga grades into the first outliers of the more open subarctic transition forest in the extreme northern and northeastern reaches of the ecozone (Rowe 1972). Some vascular elements more typical of the tundra north of the province begin to creep into the vegetation community and are often accompanied by ground lichens (Figure 3).

Further south is the bedrock-controlled Boreal Shield with a greater dominance of jack pine and a more significant admixture of white birch and trembling aspen supported by the milder climate. Wetlands in the form of *Sphagnum* peatlands and sedge fens cloth almost half the land base. The Boreal Plain ecozone begins where the Precambrian Shield ends and the land becomes mantled with deeper glacial deposits. The warmer climate and better soils support a more diverse and productive mosaic of pure conifer forests and extensive mixedwood forests consisting of white spruce, jack pine, or black spruce mixed with trembling aspen, balsam poplar, or white birch. Once again, wetlands dominate almost half of the land base. Forests give way to grasslands as the climate becomes more arid in southern third of the province. The landscapes of the south, dominated by glacial deposits and landforms, support a variety of mixed and shortgrass Prairie ecosystems, now largely replaced by cropland in the centre of the ecozone. Marshy wetlands called sloughs are common.

Saskatchewan is more than half forest. This fact comes as a surprise to most visitors because the most heavily populated and traveled part of the province lies within the grassland biome of the south.

Ecozonal Vegetation

Taiga Shield. This ecozone is dominated by coniferous taiga vegetation. The predominant tree species is black spruce (*Picea mariana*), both in upland sites, and in the very extensive poorly-drained peatlands (where it commonly grows with tamarack - *Larix laricina*). Stands of jack pine (*Pinus banksiana*) are only common in the western section of the ecozone. White spruce (*Picea glauca*) is restricted to sheltered valley bottoms and lake shores. A minor broad-leaved component is found in some upland sites in the form of scattered white birch (*Betula papyrifera*) trees.

Lichen woodland is the dominant forest type in the uplands. These forests are characterized by an open canopy structure and extensive mats of terricolous (*i.e.*, soil-dwelling) lichens (*e.g.*, *Cladina* -*Reindeer lichens*), *Stereocaulon*, and *Cetraria*, in order of dominance), partnered with a diverse assemblage of epiphytic (*i.e.*, plant-dwelling) lichens attached mainly to bark (*i.e.*, corticolous species). Feather mosses (*e.g.*, *Pleurozium schreberi* and *Hylocomium splendens*) are also common in these upland forests. Lowland forests are characteristically very open with a predominant ground cover of *Sphagnum* mosses and other bryophytes, although lichens are sometimes an important component of the ground and epiphytic flora in peatlands (Figure 4).

In the north-eastern portions of the ecozone, the underlying Precambrian rock is usually mantled with a thin layer of glacial till but diverse assemblages of saxicolous (*i.e.*, rock-dwelling) lichens are able to colonize the glacial erratics and churned boulder fields common in upland sites (Figures 5, 6). Bedrock outcroppings are more common south and west in the ecozone and support rich growths of *Cladina* (*Reindeer lichens*) and *Stereocaulon* (Figure 7).



Figure 4. *Icmadophila ericetorum* (known locally as fairy puke) on the side of a *Sphagnum* hummock in a black spruce- *Sphagnum* bog. Note foliage of *Ledum groenlandicum*, an ericaceous shrub. Photo courtesy of Robert A. Wright.



Figure 5. Looking north from the tundra remnant at the summit of Arctic Butte, six km east of Misaw Lake, SK. Note granitic boulders with Crustose lichen cover and terricolous cover of *Cladina*, and *Stereocaulon* mixed with *Loiseleuria procumbens*, a dwarf shrub common on the continuous tundra 150 km north in Nunavut. Photo courtesy of Robert A. Wright.



Figure 6. Crustose lichens on a boulder near Misaw Lake, Sask. Photo courtesy of Robert A. Wright.



Figure 7. *Cladonia* spp., and Crustose lichens growing with goldenrod (*Solidago missouriensis*), sage (*Artemisia biennis*), three-toothed saxifrage (*Saxifraga tricuspidata*) and a fern (*Woodsia ilvensis*) on a granitic outcrop, southwest shore of Tazin Lake, Saskatchewan. Photo courtesy of Robert A. Wright.

Boreal Shield. Forests increase in stature and floristic diversity as one moves southward into the Boreal Shield. Jack pine stands (Figure 8) become as common as black spruce (Figure 9) in upland positions. Lichen woodland is still common but these forests tend to be less open than physiognomically-comparable forests on the Taiga Shield. White birch increases in importance and trembling aspen stands begin to appear and increase in frequency southward across the ecozone. Extensive mats of *Cladina* (*Reindeer lichens*) remain common in upland coniferous forests (Figures 8 and 9) but *Stereocaulon* and *Cetraria* become less prevalent heading south and are virtually absent from the assemblage at the southeastern edge of the ecozone. Epiphytic lichens are common in older conifer forests (Figure 10) and Crustose lichens are found wherever rock outcrops provide vertical or steeply-sloped surfaces for colonization. Some amazing lawns of *Cladina* (*Reindeer lichens*), *Stereocaulon*, and *Cladonia* are found on the flatbedded sandstone bedrock that outcrops along the south eastern shore of Lake Athabasca (Figure 11).



Figure 8. *Cladina arbuscula* subspecies *mitis* with a minor component of *Cladina stellaris* on a sand-veneered rock knob at Pink Lake, Saskatchewan. Trees are jack pine. Photo courtesy of Robert A. Wright.



Figure 9. Black spruce lichen woodland near Wollaston Lake, Saskatchewan. Photo courtesy of Robert A. Wright.



Figure 10. Epiphytic lichens on jack pine near Snare Lake, Saskatchewan. Note small boulders with Crustose lichen growth. Photo courtesy of Robert A. Wright.



Figure 11. Luxuriant carpets of *Cladonia stellaris* on flat-bedded sandstones, west shore of Shasko Bay, Lake Athabasca, SK. Note *Umbilicaria* and other saxicolous lichen species on vertical rock faces. Photo courtesy of Robert A. Wright.

Mixedwood forests (*i.e.*, mixtures of broad-leaved and needle-leaved tree species) become common at the southern edge of the ecozone. The increase in importance of deciduous trees causes a diminution in the importance of terricolous lichens which are unable to survive beneath the annual fall of deciduous, broad leaves. A combination of higher precipitation and an abundance of dead woody material produces conditions for growth of diverse groupings of *Cladonia* spp. on fallen logs.

Boreal Plain. Trees attain greater statures (to 30 m height) on heavier-textured and warmer soils of upland sites in this ecozone. Expansive stands of aspen characterize the southern edge of the ecozone and are virtually devoid of terricolous lichens. Balsam poplar and white birch stands in riparian areas have similarly impoverished lichen floras. However black spruce stands of mesic uplands have significant epiphytic lichen communities and upland jack pine stands still support terricolous lichen mats although the lichens are usually mixed in with extensive lawns of feather mosses on mesic sites (Figure 12).



Figure 12. A lawn of *Polytrichum* sp. moss with *Cladonia*s in the shady understorey of a mesic upland jack pine stand. Photo courtesy of Robert A. Wright.

Peltigera spp. are an exception to this rule (Figures 13 and 14), being quite prolific in the feather moss carpets that dominate the understoreys of many mixedwoods. Ground lichens still hold sway in very rapidly-drained jack pine stands on sandy substrata. Even here, the importance of graminoids, forbs, and mosses is higher, relative to jack pine stands of the Shield ecozones. Stands of these conifers are often more closed-canopied and shadier than stands in more northern ecozones. Lichen growth is consequently less

exuberant. Black spruce peatlands support diverse epiphytic lichen assemblages and certain *Cladina* spp. and *Imadophila ericetorum*.



Figure 13. *Peltigera canina* with the moss *Polytrichum juniperinum* in a white birch mixedwood and



Figure 14. *Peltigera apthosa* in the feathermoss understorey of a tamarack stand near Prince Albert, Saskatchewan.

Prairie. One of the confusing aspects of this ecozone is that it does contain two ecoregions with extensive woodland cover of the Aspen Parkland characterized by aspen grove ecosystems, the extensive hardwood forests of the Moose Mountains and the Cypress Uplands with extensive stands of aspen, white spruce, and lodgepole pine. Consequently, the reader should be wary about interpreting the lichen list for this ecozone as being a product of the ecological conditions of grassland ecosystems alone. Aspen groves show little in the way of abundant lichen growth except for the *Xanthomendoza fallax* and *Physcia aipolia* on tree trunks, with occasionally *Cladonia*

atop dead woody material on the forest floor. However, the forests of the Cypress Hills are rich in lichens species typical of the boreal forest or representing some cordilleran species (*Letharia vulpina*) and within the grassland-dominated landscapes of this ecozone there are many niches able to support lichens (e.g., glacial erratics and small stones, tree and shrub bark in riparian shrublands or woodlands, and bare soils and sand dunes) (Figures 15 and 16).



Figure 15. Crustose lichens (including *Xanthoria* sp. and others) on a small boulder on native Prairie. Note the cactus, *Mamillaria vivipara*, to the left of the stone. Photo courtesy of Robert A. Wright.



Figure 16. Corticolous lichens (*Physcia* or *Parmelia*) on the bark of thorny buffaloberry (*Shepherdia argentea*) at the margin of a slough (i.e., small pond) just south of Saskatoon, Sask. Photo courtesy of Robert A. Wright.

It comes as a surprise to the Prairie neophyte to find *Cladina arbuscula ssp mitis* (*Green reindeer lichen*) growing on the bare soil of well-grazed Prairies. Equally surprising is the rich diversity of the saxicolous flora on small stones and boulders of Prairie hilltops.

The late Dr. Jan Looman, working out of the Swift Current Agriculture Research Station in the 1950s, 1960s, and 1970s was responsible for much of the pioneering work on lichen distribution in the grasslands and botanists owe a debt of gratitude to him for the bulk of the work on lichens in the native grasslands of the province.

Historical Overview of Research on the Lichen Flora of Saskatchewan

Comparatively little has been published on the plant geography of lichens in Saskatchewan. Published floristic studies deal mainly with the southern half of the province where access to, and collection of, native flora, is far easier than in the north. Northern collections originate mostly from efforts concentrated along the sparse network of existing roads and adjacent lakes and rivers accessible by float plane or boat.

The richest flora occupies the Prairie Ecozone in the southern third of the province. The poorest flora occurs in the Taiga Ecozone which occupies the northernmost seven percent of Saskatchewan. Slightly over one-third of the flora is restricted to those portions of the province dominated by grassland plant communities while just under one-third were restricted to ecozones dominated by forest vegetation. The Prairie Ecozone flora is significantly more unique than the flora of any other ecozone. The level of uniqueness of ecozonal floras appears to increase from north to south in the province. The comparative growth form spectra of the ecozonal floras shows a far greater preponderance of crustose species and relatively paucity of fruticose species in the Prairie Ecozone, compared with the lichen flora of the forested ecozones.

The native grasslands over much of central North America, including most of the grasslands of Saskatchewan, Canada, have been permanently destroyed by agricultural activity and replaced by monocultures of exotic agricultural crop species. Much of what remains is currently grazed by exotic livestock. In the boreal forest of west-central Canada, an unprecedented expansion in industrial forest activities has been occurring since the 1980s and ongoing. Boreal forest-dwelling lichens are known to have preferences for particular forest species (Kuusinen 1996) or habitats provided by the coarse debris common in old forest stands (Hyvarinen et al. 1992, Holien 1996).

Native grasslands are an increasingly endangered ecosystem type in Saskatchewan and boreal ecosystems are being modified at an accelerated pace by industrial forestry activities, providing two very strong conservation imperatives for compiling all available information on the distribution of native lichens in both biomes. Without this baseline, it will be impossible to monitor changes in native species diversity related to ongoing human activities in the grasslands and forests of Saskatchewan. The overall objective then is to contribute building a data baseline on the native lichen flora that could be used to monitor changes in species ranging over space and time.

Lichenological exploration in Saskatchewan has been marked by short periods of intense collecting activity interspersed among longer periods without floristic studies. The major collecting efforts have been largely restricted by easy road-accessible areas, especially in the forested half of the province.

One of the earliest records from Saskatchewan was Bourgeau's (1859) mention of the foliose lichen genera *Peltigera* in 1872 and 1875, 1879-1881, 1894, 1895, 1896, and 1906. John Macoun collected plants, including lichens in the geographical area that is now Saskatchewan which were published in Macoun (1902). After Macoun's work there was a long lapse in collecting activity in the grassland areas of Saskatchewan until 1961-1973 when significant contributions to the grassland lichen flora of Saskatchewan were made by Looman (1962a,b, 1964, 1964a,b,c, 1969) working out of the federal government agricultural research station in Swift Current.

Several authors published reports on Saskatchewan boreal forest lichens in the 1960s. The major collectors included: Thomson and Scotter, reporting lichens from the Black Lake area in the Selwyn and Tazin Lake Upland Ecoregions (1961), George Argus, who made small lichen collections on Beartooth Island, Lake Athabasca (Argus 1964) and at Carswell Lake area (Argus 1966a). All of these sites fall into the Taiga Shield ecozone. In the late 1960s, the lichen flora of the province was summarized by Bird in his catalogue and keys to the lichen flora of the three Canadian Prairie Provinces (Bird 1970, 1972). At the end of the decade, Jesberger and Sheard (1972) carried out a quantitative and multivariate analysis of corticolous lichens on the southern edge of the Boreal Plain Ecozone (*i.e.*, Prince Albert National Park and Candle Lake Provincial Park). Vernon L. Harms, assisted by R.A. Wright, expanded the areal extent of lichen collections in boreal Saskatchewan with surveys carried out for the environmental impact assessments of several uranium mines located in the Boreal Shield Ecozone. These studies included work near Collins bay and Hidden bay on the west shore of Wollaston Lake (Harms 1977) and Cluff Lake (Harms 1978). Their study on the Taiga Shield near Uranium City (Harms 1982) provided specimens from this rugged landscape on the north shore of Lake Athabasca. Jonescu (1970) did a study of lichens on *Populus tremuloides*, while Sheard & Jonescu (1974) did a multivariate analysis on the distribution of lichens on *Populus tremuloides*.

The 1990s saw a systematic collection effort from the Saskatchewan Provincial Parks system. Wright et al. (1995) listed lichens collected in a variety of forest types in Duck Mountain Provincial Park, while de Vries (1992) did a biodiversity study on North American Lichen distribution patterns in the same park (unpublished manuscript). Species lists were produced from surveys in Candle Lake Provincial Park (de Vries 1994, Wright et al. 1999b), Narrow Hills Provincial Park (de Vries 1995, Wright et al. 2000), and Grassland National Park including a list of parasitic-lichenicolous species. (Freebury 2014). de Vries also collected along the Hanson Lake Road in both the Boreal Plain and Boreal Shield Ecozones (de Vries, unpublished manuscripts). Systematic collections of lichens was also done during the Forest Ecosystem Classification Surveys (de Vries 1999-2005). Additional lichen surveys were made by de Vries in Brandon Nature Sanctuary in the Boreal Transition ecoregion of the Boreal Plain Ecozone, Maurice G. Street Wildlife Sanctuary in the Boreal Transition Ecoregion

of the Boreal Plain Ecozone, Rendek Elm Forest in the Mid-Boreal Lowland Ecoregion of the Boreal Plain Ecozone, Turtle Lake Nature Sanctuary in the Mid-Boreal Upland Ecoregion of the Boreal Plain Ecozone, van Brienens Land Nature Sanctuary Aspen Parkland Ecoregion in the Prairie Ecozone (unpublished manuscripts), and Crooked Lake Fen Nature Sanctuary in the Aspen Prairie Ecoregion of the Prairie Ecozone (de Vries 2003). de Vries also identified lichens collected in the Porcupine Hills in east-central Saskatchewan in 2004. Ongoing field surveys of rare and endangered lichens in the grassland and boreal forest were done by de Vries (2007-2013).

Sheard (2010) reported on additional species of *Rinodina* for Saskatchewan.

Important updates between 2005 and 2015 brought the list into conformity with the latest taxonomic information and a new revised list was compiled (de Vries 2015). The count for this update (June 1, 2015) is 538 species in 144 genera, with 16 subspecies, and 3 varieties. The total number includes 23 Parasitic-lichenicolous fungi (also see de Vries 2015) - (*), 1 saprophytic fungi related to lichenicolous fungi (+), and 1 species of uncertain status (#).

The scientific names are mainly those of prevailing scientific checklists by Brodo et al (2001), Esslinger (2011), Freebury (2014), Looman (1982-1969), Sheard (2010) and Thomson (1984, 1997) .

One of the very real impediments to further amplification of our knowledge of Saskatchewan lichens is the scarcity of trained lichenologists employed in the provincial or federal governments or established as lichen systematics in the universities of Canada. This and underfunded positions of lichenological studies in Canada is one of the main barriers to advancing our knowledge of the lichen communities in every ecozone of the province.

The purpose of this list is to present a comprehensive list for Saskatchewan lichens, to professional and amateur lichenologists, field biologists, managers of provincial as well as national parks, custodians of Saskatchewan Nature Sanctuaries and protected areas, to bring awareness of lichen diversity found in our lichen flora.

Our intent is to update this list periodically when new additions to the Saskatchewan Lichen Flora become known, or when significant changes in literature or nomenclature occur. Additions or changes in this list represent reports in the literature, but not necessarily endorsed by the authors.

Comments, corrections or copies of recently published papers on the North American lichen flora would be greatly appreciated, and can be sent to:

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Previous versions of this on-line checklist are:

list # 1, Posted August 30, 2000

list # 2, Posted September, 2005

list # 3, Posted January, 2012

list #4, Posted June 30, 2015

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Lichens of Saskatchewan, Canada - Genus and Species, including New Species for Saskatchewan and Lichenicolous Fungi

This list follows Esslinger 16 May 2011 and Freebury, 2014; (see references).

Sorted by Genus and Species. With Growth Form and Ecozone Distribution

List compiled by Bernard de Vries and Robert A. Wright

Web Listing maintained by Bernard de Vries. Updated , June 30, 2015

Genus and Species Growth Form Ecozone(s). *Denotes parasitic-lichenicolous Fungi, ^Denotes new species added.

Abrothallus De Not.

*Abrothallus parmeliarum (Sommerf.) Arnold –Parasitic, Taiga Shield, Boreal Shield

ACAROSPORA A. Massal.

^Acarospora americana H. Magn.-Crustose, Prairie

Acarospora badiofusca (Nyl.) Th. Fr.-Crustose, Taiga Shield, Prairie

Acarospora cervina A. Massal. –Crustose, Prairie

Acarospora contigua A. Magn.-Crustose, Prairie

Acarospora fuscata (Schrader) Arnold – Crustose, Taiga Shield, Boreal Shield

Acarospora glaucocarpa (Ach.) Körber-Crustose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie

Acarospora molybdina (Wahlenb.) Trevisan.-Crustose, Prairie

^Acarospora rosulata (Th.Fr.) H.Magn. –Crustose, Prairie

Acarospora schleicheri (Ach.) A. Massal-Crustose, Prairie

^Acarospora stapfiana (Müll. Arg.) Hue-Crustose, Prairie

Acarospora strigata (Nyl.) Jatta-Crustose, Prairie

Acarospora veronensis A. Massal-Crustose, Prairie

AGONIMIA Zahlbr.

Agonimia vouauxia . (B.de Lesd.) M.Brand & Dietrich-Crustose, Prairie

ALECTORIA Ach.

Alectoria ochroleuca (Hoffm.) A. Massal.-Fruticose, Taiga Shield

AMANDINEA M.Choisy ex Scheid. & H. Mayrhofer

Amandinea dakotensis (H. Magn.) P. May & Sheard-Crustose, Boreal Plain

Amandinea punctata (Hoffm.) Coppins & Scheid- Crustose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie

ARCTOPARMELIA Hale

Arctoparmelia centrifuga (L.) Hale-Foliose, Taiga Shield, Boreal Shield, Boreal Plain

Arctoparmelia incurva (Pers.) Hale-Foliose, Boreal Shield

Arctoparmelia separata (Th. Fr.) Hale-Foliose, Taiga Shield, Boreal Shield

ARTHONIA Ach.

*^Arthonia epiphyscia Nyl.-Parasitic, Prairie

^Arthonia glebosa Tuck.-Crustose, Prairie

Arthonia mediella Nyl.-Crustose, Prairie

*^Arthonia molendoi (Heufl. ex Frauenf.) R. Sant.-Parasitic, Prairie

Arthonia patellulata Nyl.-Crustose, Boreal Plain, Prairie

Arthonia radiata (Pers.) Ach.-Crustose, Boreal Plain

Arthonia spadicea Leighton-Crustos, Taiga Shield

Arthonia vinosa Leighton-Crustose, Boreal Plain

ARTHROSPORUM A. Massal.

Arthrosporium populorum A. Massal.-Crustose, Boreal Plain

ASPICILIA A. Massal.

Aspicilia aliena (Zahlbr.) Oksner-Crustose, Prairie

Aspicilia caesiocinerea (Nyl.ex Malbr.) Arnold-Crustose, Boreal Shield, Boreal Plain

Aspicilia cinerea (L.) Körber-Crustose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie
Aspicilia determinate (H. Magn.) N.S. Golubk Crustose, Prairie
Aspicilia reptans (Looman) Wetmore-Crustose, Prairie
Aspicilia subradians (Nyl.) Hue-Crustose, Prairie
Aspicilia supertegens Arnold-Crustose, Boreal Plain
Aspicilia verrucigera Hue-Crustose, Not Stipulated

BACIDIA De Not.

Bacidia bagliettoana (A. Massal. & De Not.) Jatta-Crustose, Prairie
Bacidia circumspeta (Nyl. Ex Vanio) Malme-Crustose, Prairie
Bacidia hegetschweileri (Hepp.) Vain.-Crustose, Prairie
Bacidia igniarum (Nyl.) Oxne-Crustose, Boreal Plain
Bacidia vermifera (Nyl.) Th. Fr.-Crustose, Prairie

BAEOMYCES Pers.

Baeomyces carneus Flörke-Crustose, Taiga Shield
Baeomyces rufus (Hudson) Rebert-Crustose, Taiga Shield, Boreal Plain, Prairie

BIATORA Fr.

Biatora cuprea (Sommerf.) Fr.-Crustose, Taiga Shield
Biatora globulosa (Flörke) Fr.-Crustose, Boreal Plain
Biatora vernalis (L.) Fr.-Crustose, Taiga Shield

BILIMBIA De Not.

Bilimbia sabuletorum (Schreber) Arnold-Crustose, Taiga Shield, Boreal Shield; Prairie

BLENNOTHALLIA

^Blennothallia crispata (Hudson) Otálora-(Syn. *Collema crispum*), Foliose, Prairie

BRYORIA Brodo & D. Hawksw.

Bryoria capillaris (Ach.) Brodo & D. Hawksw.-Fruticose, Boreal Shield, Boreal Plain, Prairie
Bryoria chalybeiformis (L.) Brodo & D. Hawksw.- Fruticose, Prairie
Bryoria fremontii (Tuck.) Brodo & D. Hawksw. -Fruticose, Prairie
Bryoria furcellata (Fr.) Brodo & D. Hawksw.-Fruticose, Taiga Shield, Boreal Shield,
Boreal ,Plain, Prairie
Bryoria fuscescens (Gyelnik) Brodo & D. Hawksw.-Taiga Shield, Boreal Shield, Boreal Plain,
Prairie
Bryoria glabra (Mot.) Brodo & D. Hawksw.-Fruticose, Prairie
Bryoria implexa (Hoffm.) Brodo & D. Hawksw.-Fruticose. Boreal Shield, Boreal Plain
Bryoria lanestrata (Ach.) Brodo & D. Hawksw.-Fruticose, Taiga Shield, Boreal Shield, Boreal Plain
Bryoria nadvornikiana (Gyeln.) Brodo & D. Hawksw.-Fruticose, Taiga Shield
Bryoria simplicior (Vainio) Brodo & D. Hawksw. Fruticose, Boreal Shield, Boreal Plain
Bryoria trichodes (Michx.) Brodo & D. Hawksw.-Fruticose, Boreal Plain

BUELLIA De Not.

Buellia badia (Fr.) A. Massal.-Crustose, Prairie
Buellia disciformis (Fr.) Mudd-Crustose, Taiga Shield, Boreal Shield, Boreal Plain
Buellia dispersa A. Massal. -Crustose, Prairie
Buellia elegans Poelt-Crustose, Prairie
Buellia lepidastrata (Tuck.) Tuck.-Crustose, Prairie
Buellia spuria (Schaerer) Anz-Crustose, Boreal Shield

CAERULEUM

Caeruleum heppii (Nageli ex Körber) K. Hudson & Arcadia-Crustose, Prairie

CALICEUM Pers.

Calicium abietinum Pers.-Crustose, Boreal Plain
Calicium trabinellum (Ach.) Ach.-Crustose, Taiga Shield, Boreal Shield
Calicium viride Pers.-Crustose, Boreal Plain, Prairie

CALOPLACA Th. Fr.

^Caloplaca arenaria (Pers.) Müll. Arg.-Crustose, Prairie
Caloplaca atroalba (Tuck) Zahlb.-Crustose, Prairie
Caloplaca cerina (Ehrh. ex Hedwig) Th. Fr.-Crustose, Taiga Shield, Boreal Shield, Boreal Plain
Prairie
^Caloplaca chrysophthalma Degel-Crustose, Prairie

Caloplaca cirrochroa (Ach.) Th. Fr.-Crustose, Prairie
 ^*Caloplaca citrina* (Hoffm.) Th.Fr.-Crustose, Prairie
Caloplaca crenulatella (Nyl.) H.Olivier s. lat –Crustose, Prairie
 ^*Caloplaca decipiens* (Aenold) Blomb & Forssel-Crustose, Prairie
 **Caloplaca epithallina* Lynge-Parasitic, Boreal Plain
Caloplaca flavorubescens (Hudson) J. R. Laundon-Crustose, Taiga Shield, Boreal Shield,
 Boreal Plain, Prairie
Caloplaca flavovirescens (Wulfen) Dalla, Torre & Sarnth-Crustose, Taiga Shield, Boreal,
 Boreal Shield, Boreal Plain, Prairie .
Caloplaca fraudans (Th. Fr.) H. Olivier-Crustose, Prairie
 ^*Caloplaca grimmiae* (Nyl.) H. Olivier Crustose, Prairie
Caloplaca holocarpa (Hoffm. ex Ach.) M. Wade-Crustose, Taiga Shield, Boreal Shield
 Boreal Plain, Prairie
 ^*Caloplaca lignicola* Wetmore-Crustose, Prairie
Caloplaca lithophila M. Magn.-Crustose, Prairie
 ^*Caloplaca microphyllina* (Tuck.) Hasse-Crustose, Prairie
Caloplaca pollinii (A. Massal.) Jatta-Crustose, Prairie
 ^*Caloplaca pratensis* Wetmore-Crustose, Prairie
Caloplaca pyracea (Ach.) Th.Fr.-Crustose, Prairie
Caloplaca saxicola (Hoffm.) Nordin-Lobulate, Prairie
Caloplaca sideritis (Tuck.) Zahlbr.-Crustose, Prairie
Caloplaca sinapisperma (Lam. & D.C.) Maheu & A. Gillet-Crustose, Prairie
Caloplaca stillicidorum (Vahl.) Lynge-Small squamulose, Prairie
Caloplaca tirolensis Zahlbr.-Crustose, Prairie
Caloplaca tominii (Savicz) Alner-Crustose, Prairie
Caloplaca trachyphylla (Tuck.) Zahlbr.-Lobulate, Prairie
Caloplaca ulmorum (Fink) Fink-Crustose, Taiga Shield, Boreal Shield, Prairie
CANDELARIA A. Massal.
Candelaria concolor (Dickinson) Stein-Foliose, Taiga Shield, Boreal Shield, Boreal Plain
 Prairie
CANDELARIELLA Müll. Arg.
Candelariella aggregate M. Westb-Crustose, Prairie.
Candelariella antennaria Räsänen-Crustose, Prairie
Candelariella aurella (Hoffm.) Zahlbr.-Crustose, Taiga Shield, Boreal Shield, Boreal Plain
 Prairie
Candelariella citrina B. de Lesd.-Crustose, Prairie
Candelariella dispersa (Räsänen) Hakul-Crustose, Boreal Plain
 ^*Candelariella efflorescens* R.C. Harris & W.R. Buck-Crustose, Prairie
 ^*Candelariella rosulans* (Müll. Arg.) Zahlb.-Crustose, Prairie.
Candelariella vitellina (Hoffm.) Müll. Arg.-Crustose, Taiga Shield, Boreal Shield, Boreal Plain
 Prairie
CATAPYRENIUM Flotow (Breuss 1996
Catapyrenium cinerium (Pers.) Körb.-Squamulose, Prairie
CATILLARIA A.Massal.
Catillaria chalybeia (Borrer) A. Massal.-Crustose, Prairie
Catillaria glauconigrans (Tuck.) Hasse-Crustose, Boreal Plain, Prairie
Catillaria nigroclavata (Nyl.) Schuler-Crustose, Prairie
CATINARIA Vainio
Catinaria atropurpurea (Schaerer) Vezda & Poelt-Crustose, Boreal Plain
CERCIDOSPORA Körber
 *^*Cercidospora loboyhalliae* Nav.-Ross & Calat.-Parasitic, Prairie.
CETRARIA Ach.
Cetraria aculeata (Schreber) Fr.- Fruticose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie
Cetraria arenaria Kärnefelt-Fruticose, Prairie
Cetraria ericetorum Opiz subsp. ericetorum- Fruticose, Taiga Shield, Boreal Shield, Boreal Plain,
 Prairie

Cetraria islandica (L.) Ach. subsp. *islandica*-Fruticose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie
Cetraria laevigata Räsänen-Fruticose,-Taiga Shield, Boreal Shield
CETRARIELLA Kärnefelt & Thell
Cetrariella commixta (Nyl.) A. Thell & Kärnefelt-Fruticose, Taiga Shield
Cetrariella delisei (Bory ex Schaerer) Kärnefelt & Thell-Fruticose, Taiga Shield
CHAENOTHECA Th. Fr.
Chaenotheca brunneola (Ach.) Müll. Arg.-Crustose, Boreal Plain
Chaenotheca chrysocephala (Ach.) Th. Fr.-Crustose, Taiga Shield, Boreal Shield, Boreal Plain
CHAENOTHECOPSIS Vainio
Chaenothecopsis pusilla (Ach.) Alb. Schmidt-Crustose, Boreal Plain
CIRCINARIA Link. (Nordin et al. 2010)
Circinnaria cf. arida Owe-Larss and A. Nordin & Tibell, Crustose, Prairie
Circinaria caesiocinerea (Nyl. ex Malbr.) A. Nordin, S. Savic & Tibell-Crustose, Boreal Plain, Prairie
Circinaria calcarea (L.) A. Nordin, S. Savic & Tibell-Crustose, Prairie
Circinaria contorta (Hoffm.) A. Nordin, S. Savic & Tibell.-Crustose, Prairie
Circinaria hispida (Mereschk.) A. Nordin, S. Savic & Tibell-Fruticose, Prairie
CLADONA P. Browne.
Cladonia amaurocraea (Flörke) Schaerer-Fruticose, Taiga Shield, Boreal Shield, Boreal Plain
Cladonia arbuscula (Wallr.) Flotow.-Fruticose, Taiga Shield, Boreal Shield
Cladonia arbuscula subsp. *mitis* (Sandst.) Ruoss (syn. *Cladina mitis*) Fruticose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie
Cladonia bellidiflora (Ach.) Schaerer-Fruticose, Taiga Shield
Cladonia borealis S. Stenroos-Fruticose, Taiga Shield, Boreal Shield, Boreal Plain
Cladonia botrytes (K. Hagen) Willd.-Fruticose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie
Cladonia cariosa (Ach.) Sprengel-Fruticose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie
Cladonia carneola (Fr.) Fr.-Fruticose, Taiga Shield
Cladonia cenotea (Ach.) Schaerer-Fruticose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie
Cladonia cervicornis (Ach.) Flotow subsp. *verticillata*-Fruticose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie
Cladonia chlorophaea (Flörke ex Sommerf) Sprengel-Fruticose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie
Cladonia coccifera (L.) Willd.-Fruticose, Taiga Shield
Cladonia coniocraea (Flörke) Sprengel-Fruticose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie
Cladonia cornuta (L.) Hoffm. subsp. *cornuta*-Fruticose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie
Cladonia cornuta subsp. *groenlandica* (E. Dahl) Ahti-Fruticose, Boreal Plain
Cladonia crispata (Ach.) Flotow var. *crispata*- Fruticose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie
Cladonia cristatella Tuck.-Fruticose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie
Cladonia cyanipes (Sommerf.) Nyl.-Fruticose, Boreal Shield
Cladonia cylindrica (A. Evans) A. Evans-Fruticose, Boreal Shield
Cladonia decorticata (Flörke) Sprengel-Fruticose, Prairie
Cladonia deformis (L.) Hoffm.- Fruticose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie
Cladonia ecmocyna Leighton subsp. *ecmocyna*-Fruticose-Taiga Shield, Boreal Shield, Boreal Plain
Cladonia ecmocyna subsp. *intermedia* (Robbins) Ahti-Fruticose. Boreal Plain
Cladonia fimbriata (L.) Fr.-Fruticose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie
Cladonia furcata (Hudson) Schrader-Fruticose, Boreal Plain, Prairie
Cladonia glauca Flörke-Fruticose, Prairie
Cladonia gracilis (L.) Willd. subsp. *elongata* (Jack.) Vainio-Fruticose, Taiga Shield
Cladonia gracilis (L.) Willd. subsp. *gracilis*-Fruticose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie
Cladonia gracilis (L.) Willd. subsp. *turbinate*-Fruticose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie

Cladonia grayi G. Merr. ex Sandst.-Fruticose, Boreal Plain
 Cladonia humilis (With.) J. R. Laundon-Fruticose, Boreal Plain
 Cladonia macilenta Hoffm.- Fruticose, Taiga Shield, Boreal Shield, Boreal Plain
 Cladonia macilenta var. bacillaris (Genth) Scheerer-Fruticose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie
 Cladonia macrophylla (Schaerer) Stenh.-Fruticose, Taiga Shield, Boreal Shield
 Cladonia macrophyllodes Nyl.-Fruticose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie
 Cladonia mateocyatha Robbin-Fruticose, Ecozone(s) not known
 Cladonia maxima (Asahina.) Ahti-Fruticose, Taiga Shield
 Cladonia metacorallifera Asahina-Fruticose, Taiga Shield, Boreal Shield
 Cladonia multiformis G. Merr. –Fruticose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie
 Cladonia ochrochlora Flörke-Fruticose, Taiga Shield
 Cladonia phyllophora Hoffm. –Fruticose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie
 Cladonia pleurota (Flörke) Schaerer-Fruticose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie
 Cladonia pocillum (Ach.) Grognot-Fruticose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie
 Cladonia pyxidata (L.) Hoffm.- Fruticose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie
 Cladonia ramulosa (With.) J. R. Laundon-Fruticose, Boreal Plain, Prairie
 Cladonia rangeriferina (L.) F.H. Wigg.(syn. *Cladina rangiferina*)-Fruticose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie
 Cladonia rappii A. Evans Ecozone(s) not known
 Cladonia rei Schaerer-Fruticose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie
 Cladonia robbinsii A. Evans-Fruticose, Prairie
 Cladonia scabriuscula (Delise) Nyl.-Fruticose, Boreal Plain
 Cladonia symphycarpa (Florke) Fr.-Fruticose, Prairie
 Cladonia squamosa Hoffm. – Fruticose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie
 Cladonia stellaris (Opiz) Pouzar & Vezda (syn. *Cladina stellaris*)-Fruticose, Taiga Shield, Boreal Shield, Boreal Plain
 Cladonia stygia (Fr.) Ruoss (syn. *Cladina stygia*)-Fruticose, Taiga Shield, Boreal Shield, Boreal Plain
 Cladonia subcariosa Nyl. syn.*Cladonia polycarpoides*)-Fruticose, Boreal Plain, Prairie
 Cladonia subulata (L.) F.H. Wigg.-Fruticose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie
 Cladonia sulphurina (Michaux) Fr.-Fruticose, Taiga Shield, Boreal Shield
 Cladonia symphycarpa (Flörke) Fr.-Fruticose, Taiga Shield, Boreal Shield, Boreal Plain
 Cladonia trassii Ahti-Fruticose, Taiga Shield, Boreal Shield
 Cladonia turgida Hoffm.- Fruticose, Taiga Shield, Boreal Shield, Prairie
 Cladonia uncialis (L.) F.H. Wigg.-Fruticose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie
CLIOSTOMUM Fr.
 Cliostomum griffithii (Sm.) Coppins-Crustose, Prairie
COENOOGONIUM Ehrenb.
 Coenogonium pineti (Ach.) Lücking & Lumsch-Crustose, Taiga Shield, Boreal Shield, Boreal Plain
COLLEMA F.H. Wigg.
 Collema bachmanianum (Fink) Degel-Foliose, Prairie
 Collema fuscovirens (With.) J. R. Laundon-Foliose, Prairie
 Collema tenax (Sw.) Ach. –Foliose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie
 Collema undulatum Laurer ex Flotow-Foliose, Prairie
CYPHELIUM Ach.
 Cyphelium tigillare (Ach.) Ach.-Crustose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie
 Cyphelium tigillare subsp.notarisii (Tul.) W.A. Weber-Crustose, Boreal Plain, Prairie

DERMATOCARPON Eshw.
 Dermatocarpon luridum (With.) J.R. Laundon-Foliose, Taiga Shield
 Dermatocarpon miniatum (L.) W. Mann- Foliose, Taiga Shield, Prairie
DIMELAENA Norman

Dimelaena oreina (Ach.) Norman- Crustose, Taiga Shield, Prairie
DIPLOSCHISTES Norman
Diploschistes actinostomus (Ach.) Zahlbr.-Crustose, Prairie
Diploschistes gypsaceus (Ach.) Zahlbr.-Crustose, Prairie
Diploschistes muscorum (Scop.) R. Sant. subsp. muscorum-Crustose, Taiga Shield,
Boreal Shield, Boreal Plain, Prairie
Diploschistes scruposus (Schreber) Norman-Crustose, Boreal Shield, Boreal Plain, Prairie
DIPLOTOMMA Flotow
Diplotomma alboatrum (Hoffm.) Flotow-Fruticose, Prairie
^Diplotomma venustum (Körber) Körber-Fruticose-Prairie
ENCHYLIUM
Enchylium. coccophorum (Tuck.) Otálora P.M.Jorg. and Wedin (syn. *Collema coccophorum*)-
Foliose, Prairie
ENDOCOCCUS Nyl.
*^Endococcus oreinae Hafellner-Parasitic, Prairie
ENDOCARPON Hedwig
Endocarpon pusillum Hedwig-Squamulose, Prairie
^Endocarpon loscosii-Squamulose, Prairie
EVERNIA Ach.
Evernia mesomorpha Nyl.-Fruticose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie
FLAVOCETRARIA Kärnefelt & Thell
Flavocetraria cucullata (Bellardi) Kärnefelt & Thell-Fruticose, Taiga Shield, Boreal Shield
Flavocetraria nivalis (L.) Kärnefelt & Thell-Fruticose, Taiga Shield, Boreal Shield
FLAVOPARMELIA Hale
Flavoparmelia caperata (L.) Hale-Foliose, Boreal Plain
FLAVOPUNCTELIA (Krög) Hale
Flavopunctelia flaventior (Stirton) Hale-Foliose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie
Flavopunctelia soledica (Nyl.) Hale-Foliose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie
FULGENSIA. Massal. & De Not.
Fulgensia bracteata (Hoffm.) Räsänen-Squamulose, Prairie
^Fulgensia subbracteata (Nyl.) Poelt-Squamulose, Prairie
Fulgensia fulgens (Sw.) Elenkin-Foliose, Prairie
FUSCOPANNARIA P.M. Jørg.
Fuscopannaria praetermissa (Nyl.) P.M.Jørg-Squamulose, Prairie
GLYPHOLECIA Nyl.
Glypholecia scabra (Pers.) Müll. Arg.-Foliose, Prairie
HEPPIA Nägeli
Heppia lutosa (Ach.) Nyl.-Squamulose, Prairie
HERTELIDEA Printzen & Kantvillas
Hertelidea botryosa (Fr.) Printzen & Kantvilas-Crustose, Boreal Plain, Prairie
HETEROPLACIDIUM Breuss
^Heteropladidium compactum (A. Massal.) Guiedan & Cl. Roux (syn. *Verrucaria compacta*)-
Crustose, Prairie
^Heteropladidium zamenhofianum (Clauzade & Cl. Roux) Cl. Roux (syn. *Verrucari
zamenhofiana*)- Crustose, Prairie
HYPOCENOMYCE M. Choisy
Hypocenomyce scalaris (Ach. ex Lilj.) M.Choisy- Squamulose, Taiga Shield, Boreal Shield
HYPOGYMNA (Nyl.) Nyl.
Hypogymnia austerodes (Nyl.) Räsänen Foliose, Prairie
Hypogymnia bitteri (Lyngé) Ahti-Foliose, Taiga Shield, Boreal Shield
Hypogymnia physodes (L.) Nyl.-Foliose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie
Hypogymnia subobscura (Vainio) Poelt- Foliose, Taiga Shield
HYPOTRACHYNA (Vainio) Hale
Hypotrachyna laevigata (Sm.) Hale-Foliose, Taiga Shield
ICMADOPHILA Trevisan
Icmadophila ericetorum (L.) Zahlbr.-Crustose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie

IMSHAUGIA S. F. Meeyer

Imshaugia aleurites (Ach.) S. F. Meyer- Foliose, Taiga Shield, Boreal Shield

Imshaugia placorodia (Ach.) S.F. Meyer-Foliose, Taiga Shield

INTRALICHEN

*[^]*Intralichen christiansenii*(D. Hawksw.) D. Hawksw. & M.S. Cole-Parasitic, Prairie

ONASPIS Th. Fr.

Onaspis lacustris (With.) Lutzoni-Crustose, Taiga Shield

KAERNEFELTIA Thell & Goward (Thell & Howard 1996)

Kaernefeltia merrillii (Du Rietz) Thell & Goward-Fruticose, Prairie (Cypress Hills Interprovincial Park?)

LASALLIA Mérat

Lasallia papulosa (Ach.) Llano-Foliose, Taiga Shield, Boreal Shield

Lasallia pensylvanica (Hoffm.) Llano-Foliose, Taiga Shield

LECANACTIS Körber

Lecanactis abietina (Ach.) Körber-Crustose, Prairie

LECANIA A. Massal.

Lecania cyrtella (Ach.) Th. Fr.-Crustose, Prairie

Lecania dubitans (Nyl.) A.L. Sm.-Crustose, Boreal Plain

Lecania erysibe (Ach.) Mudd-Crustose, Prairie

Lecania fuscella (Schearer) Körber-Crustose, Prairie

LECANORA Ach.

Lecanora albellula Nyl –Crustose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie

Lecanora allophana Nyl.-Crustose, Prairie

Lecanora argentata (Ach.) Malme-Crustose, Boreal Plain

Lecanora argentea Oksner & Volkova-Crustose, Boreal Plain

Lecanora argopholis (Ach.) Ach.-Crustose, Prairie

Lecanora beringii Nyl. behringii-Crustose, Prairie

Lecanora cadubriae (A. Massal.) Hedl-Crustose, Boreal Shield,, Boreal Plain, Prairie

Lecanora cenisia Ach.-Crustose, Taiga Shield

Lecanora circumborealis Brodo & Vitik-Crustose, Taiga Shield, Boreal Plain, Prairie

Lecanora chlorotera Nyl.-Crustose, Prairie

Lecanora contractula Nyl.-Crustose, Prairie

Lecanora crenulata Hooker-Crustose, Prairie

Lecanora dispersa (Pers.) Sommerf.-Crustose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie

Lecanora epibryon (Ach.) Ach.-Crustose, Taiga Shield, Prairie

Lecanora flowersiana H. Magn.-Crustose, Prairie

Lecanora garovaglii (Körber) Zahlbr.-Crustose, Prairie

Lecanora geophila (Th. Fr.) Poelt-Crustose, Taiga Shield

Lecanora hagenii (Ach.) Ach.-Crustose, Boreal Plain, Prairie

Lecanora hypoptoides (Nyl.) Nyl.-Crustose, Boreal Plain, Prairie

Lecanora impudens Degel-Crusatose, Prairie

Lecanora intricata (Ach.) Ach.-Crustose, Boreal Plain

Lecanora muralis (Schreber) Rabenh.-Crustose, Prairie

Lecanora polytropa (Hoffm.) Rabenh.-Crustose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie

Lecanora populicola (DC.) Duby-Crustose, Boreal Plain

Lecanora pulicaris (Pers.) Ach.-Crustose, Boreal Plain

Lecanora rugosella Zahlbr.-Crustose, Prairie

Lecanora rupicola (L.) Zahlbr.-Crustose, Taiga Shield, Boreal Shield, Prairie

Lecanora sambuci (Pers.) Nyl.-Crustose, Boreal Shield, Boreal Plain

Lecanora subintricata (Nyl.) Th.Fr.-Crustose, Taiga Shield

Lecanora symmicta (Ach.) Ach.-Crustose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie

[^]*Lecanora valesiaca* (Müll.Arg.) Stizenb.-Crustose, Prairie

Lecanora varia (Hoffm.) Ach.-Crustose, Boreal Plain

Lecanora zosteriae (Ach.) Nyl.-Crustose, Prairie

LECIDEA Ach.

[^]*Lecidea atrobrunnea* (Lam. And DC.) Schaerer-Crustose, Prairie

Lecidea auriculata Th. Fr.-Crustose, Boreal Plain, Prairie
 Lecidea brachyspora (Th.Fr.) Nyl.-Crustose, Taiga Shield, Boreal Shield
 Lecidea diducens Nyl.-Crustose, Prairie
 Lecidea laboriosa Müll. Arg.-Crustose, Prairie
 Lecidea lapicida (Ach.) Ach. var. lapicida-Crustose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie
 Lecidea lithophila (Ach.) Ach.-Crustose, Prairie
 Lecidea nylanderii (Anzi) Th. Fr.-Crustose, Boreal Shield, Boreal Plain, Prairie
 Lecidea tessellata Flörke-Crustose, Taiga Shield, Prairie
 Lecidea turgidula Fr.-Crustose, Boreal Plain
LECIDELLA Körber
 Lcidella carpathica Körber-Crustose, Taiga Shield, Prairie
 Lcidella elaeochroma (Ach.) M. Choisy-Crustose, Boreal Shield, Boreal Plain, Prairie
 Lcidella euphorea (Flörke) Hertel-Crustose, Boreal Plain, Prairie
 Lcidella patavina (A. Massal.) Knoph & Leuckert-Crustose, Taiga Shield
 Lcidella stigmatia (Ach.) Hertel & Leuckert-Crustose, Boreal Plain, Prairie
 ^Lcidella wulfenii (Hepp) Körber-Crustose, Prairie
LEPRARIA Ach.
 Lepraria membranacea (Dickson) Vainio-Crustose, Taiga Shield
 Lepraria neglecta (Nyl.) Erichsen-Crustose, Taiga Shield
LEPTOGIUM (Ach.) Gray
 Leptogium lichenoides (L.) Zahlbr.-Foliose, Taiga Shield, Prairie
 Leptogium cf. nanum Herre-Foliose , Prairie
 Leptogium saturninum (Dickson) Nyl.-Foliose, Taiga Shield, Boreal Shield, Boreal Plain
LETHARIA (Th. Fr.) Zahlbr.
 Letharia vulpina (L.) Hue-Fruticose, Prairie, Cypress Hills Interprovincial Park
LICHENOCONIUM Petrak & H. Sydow
 *^Lichenoconium lichenicola (P. Karst). Petrak & H. Sydow-Parasitic, Prairie
LICHENODIPLIS Dyko & D. Hawksw.
 *^Lichenodiplis lecanorae (Vouaux) Dyko & D. Hawksw.-Parasitic, Prairie
LICHENOMPHALIA Redhead, Lutzoni, Monvalvo & Vilgalys (Redhead et al. 2002)
 Lichenomphalia umbellifera (L.:Fr.) Redhead, Lutzoni, Moncalvo & Vilgalys Mushroom Forming
 Fungi-Taiga Shield, Boreal Shield
LICHENOSTIGMA Hafellner
 *^Lichenostigma cosmopolites Hafellner & Calatayud-Parasitic, Prairie
LOBARIA (Schreber) Hoffm.
 Lobaria pulmonaria (L.) Hoffm.-Foliose, Boreal Shield
 Lobaria scrobiculata (Scop.) DC.- Foliose, Taiga Shield
LOBOTHALLIA (Clauzade & Cl. Roux) Hafellner
 Lobothallea alphoplaca (Wahlenb.) Hafellner-Crustose, Prairie
 ^Lobothalia praeradiosa (Nyl.) Hafellner-Crustose, Prairie
MASSALONGIA Körber
 Massalongia carnososa (Dickson) Körber-Foliose, Taiga Shield, Boreal Shield
MEGALARIA Hafellner
 Megalaria laureri (Hepp ex Th.Fr.) Hafellner-Crustose, Prairie
MEGASPORA (Clauz. & Cl. Roux) Hafellner & V. Wirth
 Megaspora verrucosa (Ach.) Hafellner & V. Wirth-Crustose, Prairie
MELANELIA Essl.
 Melanelia disjuncta (Erichsen) Essl.-(syn. *Parmelia disjuncta*)-Foliose, Taiga Shield, Boreal Plain, Prairie
 Melanelia panniformis (Nyl.) Essl.-(syn. *Parmelia panniformis*)-Foliose, Taiga Shield
 Melanelia sorediata (Ach.) Goward & Ahti-(syn. *Parmelia sorediata*)-Foliose, Taiga Shield, Boreal Shield, Boreal Plain
 Melanelia stygia (L.) Essl.-(syn. *Parmelia stygia*)-Foliose, Taiga Shield
MELANELIXIA O. Blanco, A. Crespo, Divakar, Essl., D. Hawksw. & Lumsch (Blanco et al. 2004)
 Melanelixia albertana (Ahti) O. Blanco ,A. Crespo, Divakar, Essl., D. Hawksw.,& Lumsch-(syn.

Melanelia albertana)-Foliose, Boreal Shield, Boreal Plain, Prairie
 Melanelixia subargentifera (Nyl.) O. Blanco, A.Crespo, Divakar, Essl., D. Hawksw and Lumbsch.-
 (syn. *Melanelia subargentifera*)Foliose, Boreal Plain, Prairie
 Melanelixia subaurifera (Nyl.) O. Blanco, A.Crespo, Divakar, D. Hawksw & Lumbsch
 (syn. *Melanelia subaurifera*)-Foliose, Taiga Shield, Boreal Shield, Boreal Plain
MELANOHALEA O. Blanco,A. Crespo, Divakar, Essl., D. Hawksw., & Lumbsch (Blanco et al.
 2004)
 Melanohalea elegantula (Zahlbr.) O. Blanco, A. Crespo, Divakar, Essl. D. Hawksw. & Lumbsch
 (syn. *Melanelia elegantula*)-Foliose,
 Foliose, Boreal Plain, Prairie
 Melanohalea exasperata (De Not) O. Blanco, A. Crespo, Divakar, Essl.D. Hawksws. & Lumbsch
 (syn. *Melanelia exasperata*)- Foliose, Prairie
 Melanohalea exasperatula (Nyl.) O. Blanco, A. Crespo, Divakar, Essl., D. Hawksw.& Lumbsch
 (syn. *Melanelia exasperatula*)-Foliose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie
 Melanohalea halei (Ahti) O. Blanco, A.Crespo,Divakar, Essl.D. Hawksws.and Lumbsch
 (syn. *Melanelia halei*)-Foliose, Foliose, Boreal Plain
 Melanohalea infumata (Ny) O. Blanco, A. Crespo, Divakar, Essl.D. Hawksw. & Lumbsch
 (syn. *Melanelia infumata*)Foliose, Prairie
 Melanohalea olivacea (L.) O. Blanco A.Crespo, Divakar, Essl., D. Hawksw.& Lumbsch
 (syn. *Melanelia olivacea*)- Foliose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie
 Melanohalea septentrionalis (Lyngé) O. Blanco, A.Crespo, Divakar, Essl,D. Hawksw. & Lumbsch
 (syn. *Melanelia septentrionalis*-Foliose; Taiga Shield, Boeal Shield, Boreal Plain, Prairie
 Melanohalia subolivacea (Nyl.) O. Blanco, A. Crespo, Divakar, Essl.D. Hawksw. & Lumbsch
 (syn. *Melanelia subolivacea*)-Foliose, Boreal Plain, Prairie
MICAREA Fr.
 Micarea assimilata (Nyl.) Coppins-Crustose, Taiga Shield
 ^Micarea incrassate Hedl.-Crustose, Prairie
 Micarea melaena (Nyl.) Hedl.-Crustose, Prairie
 ^Micarea misella (Nyl.) Hedl.-Crustose, Prairie
MICROCALICIUM Vainio
 *Microcalicium disseminatum (Ach.)Vainia-Crustose, Boreal Shield, Boreal Plain
MIRIQUIDICA Hertel & Rambold (Hertel & Rambold 1987)
 Miriquidica scotopholis (Tuck.) R.D. Ryan & Tindal-Crustose, Prairie
MONTANELIA
 Montanelia tominii (Oxner) Divakar, A. Crespo, Wedin & Essl. (syn. *Melania tominii*)-Foliose,
 Prairie
Muellerella A. Hepp ex Müll.. Arg
 *^Muellerella erratica (A.Massal.) Hefellner & V. John-(syn. Muellerella pygmaea var. athallina)
 Parasitic, Prairie
MYCOBILIMBIA Rehm
 Mycobilimbia berengeriana (A. Massal.)Hafellner & V. Wirth-Crustose, Boreal Plain, Prairie
 Mycobilimbia pilularis (Körber) Hafellner & Türk-Crustose, Boreal Plain
 Mycobilimbia tetramera (De Not.) Vitik., Ahti,Kuusinen, Lommi & T. Ulvinen ex Hafellner & Türk-
 (syn. *Bacidia fusca*)-Crustose, Taiga Shield, Boreal Shield
MYCOBLASTUS Norman
 Mycoblastus alpinus (Fr.) Kernst.-Crustose, Taiga Shield
 Mycoblastus sanguinarius (L) Norman-Crustose, Taiga Shield, Boreal Shield
MYCOCALICIUM Vainio
 +Mycocalicium subtile (Pers.) Szatala-Crustose, Taiga Shield
NEPHROMA Ach.
 Nephroma arcticum (L.) Torss.-Foliose, Taiga Shield, Boreal Shield
 Nephroma bellum (Sprengel) Tuck.-Foliose, Taiga Shield
 Nephroma helveticum Ach. subsp.helvaticum-Foliose, Taiga Shield, Boreal Shield
 Nephroma parile (Ach.) Ach.-Foliose, Taiga Shield
 Nephroma resupinatum (L.) Ach.-Foliose, Taiga Shield

OCHROLECHIA A. Massal.

Ochrolechia androgyna (Hoffm.) Arnold-Crustose, Taiga Shield

Ochrolechia frigida (Sw.) Lynge -Crustose, Taiga Shield

Ochrolechia inaequatula (Nyl.) Zahlbr.-Crustose, Taiga Shield, Boreal Shield

Ochrolechia upsaliensis (L.) A. Massal.-Crustose, Taiga Shield, Boreal Shield, Prairie

OPHIOPARMA Norman.

Ophioparma lapponica (Räsänen) Hafellner & R. W. Rogers-Crustose, Taiga Shield

Ophioparma ventosa (L.) Norman-Crustose, Taiga Shield

PANNARIA Delise

Pannaria conoplea (Ach.) Bory-Squamulose, Boreal Shield

PARMELIA Ach.

Parmelia omphalodes (L.) Ach. subsp. *omphalodes*-Foliose, Taiga Shield

Parmelia saxatilis (L.) Ach.-Foliose, Taiga Shield, Boreal Shield, Boreal Plain

Parmelia sulcata Taylor-Foliose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie

PARMELIOPSIS Nyl.

Parmeliopsis ambigua (Wulfen) Nyl.-Foliose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie

Parmeliopsis hyperopta (Ach.) Arnold-Foliose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie

PELTIGERA Willd.

Peltigera aphthosa (L.) Willd.-Foliose, Taiga Shield, Boreal Shield, Boreal Shield, Boreal Plain, Prairie

Peltigera canina (L.) Willd.-Foliose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie

Peltigera didactyla (With.) J. R. Laundon-Foliose, Taiga Shield; Boreal Shield, Boreal Plain, Prairie

Peltigera elisabethae Gyelnik-Foliose, Taiga Shield

Peltigera evansiana Gyelnik-Foliose, Prairie

Peltigera lepidophora (Nyl. ex Vanio) Bitter-Foliose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie

Peltigera leucophlebia (Nyl.) Gyelnik-Foliose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie

Peltigera malacea (Ach.) Funck.-Foliose, Taiga Shield, Boreal Shield, Boreal Plain

Peltigera neckeri (Hepp. ex Müll.) Arg.-Foliose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie

Peltigera neopolydactyla (Gyelnik) Gyelnik-Foliose, Taiga Shield, Boreal Shield, Boreal Plain

Peltigera polydactylon (Necker) Hoffm.-Foliose, Boreal Plain, Prairie

Peltigera ponjensis Gyelnik-Foliose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie

Peltigera praetextata (Förke ex Sommerf.) Zopf.-Foliose, Boreal Shield, Boreal Plain

Peltigera retifoveata Vitik Ecozne(s) not known

Peltigera rufescens (Weiss) Humb.-Foliose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie

Peltigera scabrosa Th. Fr.-Foliose, Taiga Shield, Boreal Shield

Peltigera venosa (L.) Hoffm.-Foliose, Prairie

PELTULA Nyl.

Peltula patellata (Bagel.) Swinscow & Krog-Squamulose, Prairie

PHAEOPHYSCIA Moberg

Phaeophyscia ciliata (Hoffm.) Moberg-Foliose, Prairie

Phaeophyscia constipata (Norrlin. & Nyl.) Moberg-Foliose, Taiga Shield, Prairie

Phaeophyscia hirsuta (Mereschk.) Essl.-Foliose, Prairie

Phaeophyscia nigricans (Flörke) Moberg-Foliose, Prairie

Phaeophyscia orbicularis (Necker) Moberg-Foliose, Boreal Shield, Boreal Plain, Prairie

Phaeophyscia pusilloides (Zahlbr.) Essl.-Foliose, Boreal Plain

Phaeophyscia sciastra (Ach.) Moberg-Foliose, Taiga Shield, Boreal Shield, Prairie

PHAEORRHIZA H. Mayrhofer & Poelt

Phaeorrhiza nimbose (Fr.) H. Mayrhofer & Poelt-Squamulose, Prairie

Phaeorrhiza sareptana (Tomin) H. Mayrhofer & Poelt-Squamulose, Prairie

PHAEOSPOROBOLUS D. Hawksw. & Hafellner

**Phaeosporobolus usneae* D. Hawksw. & Hafellner-Parasitic, Boreal Plain

PHOMA Fr.

*^Phoma caloplacacae D. Hawksw.-Parasitic, Prairie

*^Phoma xanthomendozae Diederich & Freebury-Parasitic, Prairie

PHYSCIA (Schreber) Michaux

Physcia adscendens (Fr.) H. Oliver-Foliose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie

Physcia aipolia (Ehrh. ex Humb.) Fűrnr.

var. aipolia-Foliose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie

^Physcia alnophila (Vain.) Loht., Moberg, Myllys & Tehle-Foliose, Prairie

Physcia caesia (Hoffm.) Fűrnr.-Foliose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie

^Physcia diminiata (Arnold) Nyl.-Foliose, Prairie

Physcia dubia (Hoffm.) Lettau -Foliose, Taiga Shield, Boreal Plain, Prairie

Physcia leptalea (Ach.) DC.-Foliose, Prairie

Physcia phaea (Tuck.) J. W. Thomson-Foliose, Taiga Shield, Boreal Shield,

Physcia stellaris (L.) Nyl.-Foliose, Boreal Shield, Boreal Plain, Prairie

PHYSCIELLA Essl.

^Physciella chloantha (Ach.) Essl.-Foliose, Prairie

PHYSCONIA Poelt

Physconia detersa (Nyl.) Poelt-Foliose, Taiga Shield, Boreal Shield

Physconia enteroxantha (Nyl.) Poelt-Foliose, Prairie

Physconia muscigena (Ach.) Poelt-Foliose. Taiga Shield, Boreal Plain, Prairie

Physconia perisidiosa (Erichsen) Moberg-Foliose, Prairie

PLACIDIUM A. Massal (Breuss 1996).

^Placidium californicum Breuss-Squamulose, Prairie

Placidium lachneum (Ach.) Breuss-Squamulose, Prairie

Placidium lacinulatum (Ach.) Breuss-Squamulose, Prairie

Placidium squamulosum (Ach.) Breuss Squamulose, Prairie

PLACOPYRENIUM Breuss

Placopyrenium fuscillum (Turner) Gueidan, & C.L. Roux-(syn. *Verrucaria fuscilla*)-Crustose, Prairie

Placopyrenium lecideoides (A. Massal.) Gueidan & C.L. Roux-(syn. *Dermatocarpon lecidioides*) Crustose, Prairie

PLACYNTHIELLA Elenkin

Placynthiella oligotropha (J.R. Laundon) Coppins & P James-(syn. *Lecidea oligotropha*) Crustose, Taiga Shield

PLACYNTHIUM (Ach.) Gray

Placynthium nigrum (Hudson) Gray-Crustose, Boreal Plain, Prairie

PLATISMATIA W. L. Culb. & C. F. Culb.

Platismatia glauca (L.) W. L. Culb. & C. F. Culb.-(syn. *Cetraria glauca*)-Foliose, Taiga Shield, Boreal Shield

PLEOPSISIDIUM Körber

Pleopsidium chlorophanum (Wahlenb.) Zopf.-(syn. *Acorospora chlorophana*)-Crustose, Prairie

Pleopsidium flavum (Bellardi) Körber-(syn. *Acarospora flava*)- Crustose, Prairie

POLYCOCCUM

*^Polycoccum clauzade Nav.-Rosé & Cl. Roux-Parasitic, Prairie

POLYSPORINA Vezda

*^Polysporina pusila (Anzi) M. Steiner ex Kantvilas-Parasitic, Prairie

Polysporina simplex (Davies) Vezda-(syn. *Biatorrella simplex*)-Crustose, Prairie

*^Polysporina subfuscescens (Nyl.) K.Knudson & Kocourk-Parasitic, Prairie

^Polysporina urceolata (Anzi) Brodo-Crustose, Prairie

PORPIDIA Körber

Porpidia cinereoatra (Ach.) Hertel & Knoph-(syn. *Lecidea cinereoatra*)-Crustose, Boreal Plain, Prairie

Porpidia crustulata (Ach.) Hertel & Knoph-(syn. *Lecidea crustulata*)-Crustose, Taiga Shield, Prairie

Porpidia lowiana Gowan-Crustose, Taiga Shield

Porpidia macrocarpa (DC.) Hertel & A. J. Schwab-(syn. *Lecidea macrocarpa*)-Crustose, Taiga Shield

Porpidia thomsonii-Gowan, Crustose, Taiga Shield

PROTOMICAREA Hafellner (Hafellner & Türk 2001)
 Protomicarea limosa (Ach.) Hafellner-(syn. *Lecidea limosa*)-Crustose, Taiga Shield

PROTOPANNARIA (Gyeln.) P.M. Jørg. & S. Ekman
 Protopannaria pezizoides (Weber) P.M. Jørg & S. Ekman-(syn. *Pannaria pezizoides*)
 Squamulose-Taiga Shield, Boreal Shield

PROTOPARMELIA M. Choisy
 Protoparmelia badia (Hoffm.) Hafellner-(syn. *Lecanora badia*)- Crustose, Boreal Shield, Prairie

PSILOLECHIA A. Massal.
 Psilolechia lucida (Ach.) M. Choisy-(syn. *Lecidea lucida*)-Crustose, Taiga Shield

PSORA Hoffm.
 Psora cerebriformis W.A. Weber-Squamulose, Prairie
 Psora decipiens (Hedw.) Hoffm. Ach. – (syn. *Lecidea decipiens*)-Squamulose, Prairie
 Psora himalayana (Church. Bab.) Timdal,-Squamulose, Taiga Shield, Boreal Shield
 Psora russellii (Tuck.) A. Schneider-Squamulose, Prairie
 Psora tuckermanii R.A. Anderson ex Timdal-Squamulose, Prairie

PSOROMA Michaux
 Psoroma hypnorum (Vahl.) Gray-(syn. *Pannaria hypnorum*)-Squamulose, Boreal Plain, Prairie

PSOROTICHIA A. Massal.
 Psorotichia nigra H. Magn.-Crustose, Prairie

PSORULA Goth. Schneider
 Psorula rufonigra (Tuck.) Gotth. Schneider-(syn. *Lecidea rufonigra*)-Squamulose, Taiga Shield

RAMALINA Ach.
 Ramalina dilacerata (Hoffm.) Hoffm.- Fruticose, Boreal Shield, Boreal Plain, Prairie
 Ramalina farinacea (L.) Ach.-Fruticose, Taiga Shield, Boreal Shield
 Ramalina fastigiata (Pers.) Ach.-Fruticose, Boreal Plain, Prairie
 Ramalina fraxinea (L.) Ach.- Fruticose, Prairie
 Ramalina intermedia (Delise ex Nyl.) Nyl. –Fruticose, Taiga Shield, Boreal Shield
 Ramalina obtusata (Arnold) Bitter-Fruticose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie
 Ramalina pollinaria (Westr.) Ach.-Fruticose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie
 Ramalina polymorpha (Lilj.) Ach.-Fruticose, Prairie
 Ramalina sinensis Jatta-Fruticose, Prairie

RHIZOCARPON Ramond ex DC.
 Rhizocarpon badioatrum (Flörke ex Sprengel) Th. Fr-(syn. *Buellia badioatra*)-Crustose,
 Boreal Plain
 Rhizocarpon cinereovirens (Müll. Arg.) Vainio-Crustose, Boreal Shield
 Rhizocarpon concentricum (Davies) Beltr.-Crustose, Prairie
 Rhizocarpon cookeanum H. Magn.-Crustose, Prairie
 Rhizocarpon copelandii (Körber) Th.Fr.-Crustose, Boreal Plain
 Rhizocarpon disporum (Nägeli ex Hepp) Müll. Arg.-Crustose, Taiga Shield, Boreal Shield, Boreal
 Plain, Prairie
 Rhizocarpon geminatum Körber-Crustose, Taiga Shield, Boreal Shield
 Rhizocarpon geographicum (L.) DC.-Crustose, Taiga Shield, Boreal Shield, Prairie
 Rhizocarpon grande (Flörke ex Flotow) Arnold-Crustose, Taiga Shield, Boreal Shield, Prairie
 Rhizocarpon hochstetteri (Körber) Vainio-Crustose, Taiga Shield, Boreal Shield
 Rhizocarpon lindsayanum Räsänen (subsp. of *Rhizocarpon geographicum?*)-Crustose,
 Taiga Shield
 Rhizocarpon norvegicum Räsänen –Crustose, Boreal Shield
 ^Rhizocarpon renneri Poelt-Crustose, (lichenicolous when young), Prairie
 Rhizocarpon riparium Räsänen-(subsp. of *R. geographicum?*)-Crustose, Taiga Shield
 Rhizocarpon superficiale (Schaerer)Vainio-Crustose, Prairie
 ^Rhizocarpon viridiatrum (Wulfen) Körb.-Crustose (Lichenicolous when Young), Prairie

RHIZOPLACA Zopf.
 Rhizoplaca chrysoleuca (Sm.) Zopf-(syn. *Lecanora chrysoleuca*)-Foliose, Taiga Shield,
 Boreal Shield, Boreal Plain, Prairie
 Rhizoplaca haydenii (Tuck.) W. A. Weber-Foliose, Prairie
 Rhizoplaca melanophthalma (DC.) Leuckert & Poelt-Foliose, Taiga Shield, Boreal Plain, Prairie

Rhizoplaca peltata (Ramond) Leuckert & Poelt-Foliose, Prairie
Rhizoplaca subdiscrepans (Nyl.) R. Sant.-Foliose, Taiga Shield
RINODINA (Ach.) Gray
Rinodina austroborealis Sheard-Crustose, Boreal Plain, Prairie
Rinodina bischoffii (Hepp) A.Massal Crustose, Boreal Shield, Boreal Plain, Prairie
^Rinodina conradii Körb.-Crustose, Prairie
Rinodina freyi H. Magn.-Crustose, Prairie
^Rinodina juniperina Sheard- Crustose, Prairie
^Rinodina lobulata H.Mayrhofer &Sheard-Crustose, Prairie
^Rinodina luridata (Körb.) H. Mayrhofer-Crustose, Prairie
Rinodina metaboliza Vainio-Crustose, Boreal Plain, Prairie
^Rinodina parasitica H. Mayrhofer & Poelt-Crustose, Prairie
Rinodina populicola H. Magn.-Crustose, Prairie
Rinodina pyrina (Ach.) Arnold-Crustose, Prairie
Rinodina sibirica H. Magn.-Crustose, Boreal Plain
^Rinodina straussii J. Steiner-Crustose, Prairie
Rinodina terrestris Tomin-Crustose, Prairie
^Rinodina venostana Buschardt and H. Mayrhofer-Crustose, Prairie
SARCOGYNE Flotow
^Sarcogyne hypophaea (Nyl.) Arn.-(sn. *Sarcogyne privigna*)-Crustose, Prairie
Sarcogyne magnussonii B. de Lesd.-Crustose, Prairie
Sarcogyne regularis Körber-Crustose, Boreal Plain, Prairie
^Sarcogyne similis H. Magn.-Crustose, Prairie
SCHAERERIA Körber
Schaereria fuscocinerea (Nyl.) Clauzade & C.L. Roux-Crustose, Taiga Shield, Boreal Shiel
SCYTINIUM
Scytinium tenuissimum (Dickson) Otálora, P.M. Jørg & Wedin (syn. *Leptogium tenuissimum*)-
Foliose, Prairie
SILOBIA Westb. & Wedin (Westberg et al. 2011)
Silobia smaragdula (Wahlenb.) M.Westbr.& Wedin-Crustose, Boreal Plain
SOLORINA Ach.
Solorina bispora Nyl.-Foliose, Taiga Shield, Boreal Shield
Solorina crocea (L.) Ach.-Foliose, Taiga Shield
Solorina saccata (L.) Ach.-Foliose, Taiga Shield, Boreal Shield, Boreal Plain
SPHAERELLOTHECIUM
*^Sphaerellothecium cladoniae (Alsstrup & Zhurb.) Hefellner, Parasitic, Prairie
SPHAEROPHORUS Pers.
Sphaerophorus fragilis (L.) Pers.- Fruticose, Taiga Shield
SPILONEMA Bornet
Spilonema revertens Nyl.- Fruticose, Taiga Shield
SPORASTATIA A. Massal.
Sporastatia testudinea (Ach.) A. Massal.-Crustose, Taiga Shield, Prairie
SQUAMARINA Poelt
Squamarina cartilaginea (With.) P. James-Squamulose, Prairie
Squamarina lentigera (Weber) Poelt-(syn. *Lecanora lentigera*)-Squamulose, Prairie
STAUROTHELE Norman
Staurothele areolata (Ach.) LettauCrustose, Prairie
Staurothele drummondii (Tuck.)Tuck.-Crustose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie
Staurothele elenkinii Oxner-Crustose, Prairie
Staurothele fissa (Taylor) Zwackh-Crustose, Taiga Shield, Boreal Shield, Boreal Plain
^Staurothele monicae (Zahlbr.)Wetmore-Crustose, Prairie
STEREOCAULON Hoffm.
Stereocaulon alpinum Laurer ex Funck- Fruticose, Taiga Shield, Boreal Shield
Stereocaulon condensatum Hoffm.- Fruticose, Boreal Shield
Stereocaulon dactylophyllum Flörke-Fruticose, Taiga Shield
Stereocaulon glareosum (Savicz.) H. Magn.-Fruticose, Taiga Shield

Stereocaulon grande (H. Magn.) H. Magn.-Fruticose, Taiga Shield, Boreal Shield
Stereocaulon paschale (L.) Hoffm. - Fruticose, Taiga Shield, Boreal Shield
Stereocaulon rivulorum H. Magn.-Fruticose, Taiga Shield
Stereocaulon saxatile H. Magn.-Fruticose, Taiga Shield, Boreal Shield, Boreal Plain
Stereocaulon tomentosum Fr.- Fruticose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie

STIGMIDIUM

*^Stignidium squamariae (B. de Lesd.) Cl.ux & Triebel-Parasitic, Prairie.

STRANGOSPORA Körber

Strangospora microhaema (Norman) R. Anderson-Crustose, Boreal Plain
Strangospora moriformis (Ach.) Stein-Crustose, Taiga Shield, Boreal Shield

TAENIOLELLA

*^Taenionella rolffii Diedrich & Zhurb., Parasitic, Prairie

TETRAMELAS Norman

Tetramelas papillatus (Sommerf.) Kalb.-Crustose, Prairie

*^Tetramelas pulverulentus (Anzi) A. Nordin & Tibell, (syn. *Buellia pulverulenta*), Parasitic, Prairie

Tetramelas triphragmioides (Anzi) A. Nordin & Tibell-Crustose, Prairie

THELENELLA Nyl.Thelenella muscorum (Fries.) Vainio var.Muscorum-
(syn. *Chromatochlamys muscorum*)-Crustose, Prairie

TONINIA A. Massal.

Toninia sedifolia (Scop.) Timdal-Squamulose, Prairie

Toninia tristis (Th. Fr.) Th. Fr. subsp.tristes-Squamulose, Prairie

Toninia tristis subsp. asiae-centralis (H.Magn.) Timdal-Squamulose, Prairie

TRAPELIOPSIS Hertel & Goth., Schneider

Trapeliopsis flexuosa (Fr.) Coppins & James-Crustose, Taiga Shield, Boreal Shield, Boreal Plain,
Prairie

Trapeliopsis granulosa (Hoffm.) Lumbsch-Crustose, Taiga Shield, Boreal Shield, Boreal Plain,
Prairie

TREMELLA Pers.

*Tremella christiansenii Diederich, Parasitic, Prairie

TREMOLECIA M. Choisy

Tremolecia atrata (Ach.) Hertel-Crustose, Taiga Shield

TUCKERMANELLA Essl.

Tuckermanella fendleri (Nyl.) Essl.-Fruticose, Boreal Plain, Prairie

TUCKERMANNOPSIS Gyelnik

Tuckermannopsis americana (Sprengel) Hale-(syn. *Cetraria halei*)-Foliose, Taiga Shield,
Boreal Shield, Boreal Plain, Prairie

Tuckermannopsis chlorophylla (Willd.) Hale-(syn. *Cetraria chlorophylla*)-Foliose, Boreal Plain,
Prairie

Tuckermannopsis ciliaris (Ach.) Gyelnik-(syn. *Cetraria ciliaris*)-Foliose, Boreal Shield

Tuckermannopsis sepincola (Ehrh.) Hale-(syn. *Cetraria sepincola*)-Foliose, Taiga Shield,
Boreal Shield, Boreal Plain

UMBILICARIA Hoffm.

Umbilicaria americana Poelt & T.H.Nash-Foliose, Taiga Shield, Boreal Shield, Boreal Plain

Umbilicaria deusta (L.) Baumg.-(syn. *Gyrophora deusta*)-Foliose, Taiga Shield, Boreal Shield,
Boreal Plain

Umbilicaria hyperborea (Ach.) Hoffm.var. hyperborean-(syn. *Gyrophora hyperborea*)-Foliose,
Taiga Shield, Boreal Shield, Prairie

Umbilicaria mammulata (Ach.) Tuck. -(syn. *Gyrophora dillenii*)-Foliose, Taiga Shield,
Boreal Shield

Umbilicaria muehlenbergii (Ach.) Tuck.-(syn. *Gyrophora muehlenbergii*)-Foliose, Taiga Shield,
Boreal Shield, Boreal Plain

Umbilicaria torrefacta (Lightf.) Schrader-(syn. *Gyrophora torrefacta*)-Foliose, Taiga Shield,
Boreal Shield, Boreal Plain

Umbilicaria vellea (L.) Hoffm.-(syn. *Gyrophora vellea*)-Foliose, Taiga Shield, Boreal Shield.

Umbilicaria virginis Schaerer-(syn. *Gyrophora rugifera*)-Foliose, Prairie (Cypress Hills
Interprovincial Park)

USNEA Dill. ex Adans

Usnea alpina Motyka-Fruticose, Taiga Shield, Boreal Shield
 Usnea cavernosa Tuck.-Fruticose, Taiga Shield, Boreal Shield, Boreal Plain
 Usnea filipendula Stirton-Fruticose, Taiga Shield, Boreal Shield, Boreal Plain
 Usnea fulvoreanens (Räsänen) Räsänen-Fruticose, Boreal Shield
 Usnea glabrata (Ach.) Vainio-Fruticose, Taiga Shield
 Usnea glabrescens (Nyl. ex Vainio) Vainio-Fruticose, Taiga Shield, Boreal Shield
 Usnea hirta (L.) F. H. Wigg-Fruticose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie
 Usnea lapponica Vainio-Fruticose, Boreal Plain
 Usnea scabiosa Motyka-Fruticose, Prairie
 Usnea scabrata Nyl.-Fruticose, Taiga Shield, Boreal Shield
 Usnea subfloridana Stirton-Fruticose, Boreal Shield, Boreal Plain, Prairie
 Usnea substerilis Moyka-Fruticose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie

VERRUCARIA Schrader

^Verrucaria bernaiensis Malbr-Crustose, Prairie
 ^Verrucaria fusca Pers.-Crustose, Prairie
 Verrucaria glaucovirens Grummann-Crustose, P rairie
 ^Verrucaria inficiens Breuss (Parasitic when young)-Crustose, Prairie
 Verrucaria margacea (Wahlenb.) Wahlenb.-Crustose, Prairie
 Verrucaria muralis Ach.- Crustose, Prairie
 Verrucaria nigrescens Pers.-Crustose, Boreal Shield, Prairie
 ^Verrucaria othmarii K. Knudon & L. Arcadia (Syn. *V. rupicula*)- Crustose, Prairie
 Verrucaria rupestris Schrader-Crustose, Boreal Shield
 ^Verrucaria sphaerospora Anzi-Crustose, Prairie
 Verrucaria viridula (Schrader) Ach.- Crustose, Prairie

VULPICIDA J.E. Mattsson & M.J. Lai

Vulpicida canadensis (Räsänen) J.E. Mattsson & M.J. Lai-Foliose, Prairie
 Vulpicida pinastri (Scop.) J.E. Mattson & Lai-Foliose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie

XANTHOMENDOZA S. Y Kondr. & Kärnefelt

Xanthomendoza fallax (Hepp ex Arnold) Søchting, Kärnefelt & S.Y. Kondr.-(syn. *Xanthoria fallax*)
 Foliose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie
 ^Xanthomendoza fulva (Hoffm.) Søchting, Kärnefelt and S,Y, Kondr.,-(syn. *Xanthoria fulva*)-Foliose, Prairie
 Xanthomendoza hasseana (Räsänen) Søchting, Kärnefelt & S. Y. Kondr.
 (syn. *Xanthoria hasseana*)- Foliose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie
 Xantomendoza montana (L.. Lindblom) Søchting, Kärnefelt and S.Y. Kondr.
 (syn. *Xanthoria montana*)-Foliose, Praitrie (Cypress Hills Interprovincial Park)

XANTHOPARMELIA (Vainio) Hale

^Xanthoparmelia camtschadalis-Ach.) Hale-Foliose, Prairie
 Xanthoparmelia chlorochroa (Tuck.) Hale-(syn. *Parmelia chlorochroa*)-Foliose, Boreal Plain, Prairie
 Xanthoparmelia coloradoënsis (Gyelnik) Hale-Foliose, Prairie
 Xanthoparmelia conspersa (Ehrh. ex Ach.) Hale-(syn. *Parmelia conspersa*)-Foliose, Boreal Plain, Prairie
 Xanthoparmelia cumberlandia Gyelnik) Hale-(syn. *Parmelia cumberlandia*)-Foliose, Taiga Shield
 Xanthoparmelia idahoensis Hale-Foliose, Prairie
 Xanthoparmelia lineola (E. C. Berry) Hale-(syn. *Parmelia lineola*)-Foliose, Boreal Shield, Prairie
 ^Xanthoparmelia loxodes (Nyl.)O. Blanco, A. Crespo, ElixD. Hawksw. & Lumbsch-
 (syn. *Parmelia loxodus*)-Foliose, Prairie
 Xanthoparmelia mexicana (Gyelnik) Hale-(syn. *Parmelia mexicana*)-Foliose, Prairie
 Xanthoparmelia neochlorochroa Hale, Foliose, Prairie
 Xanthoparmelia norchlorochroa Hale-Foliose, Prairie
 Xanthoparmelia plittii (Gyelnik) Hale-(syn. *Parmelia plittii*)-Foliose, Prairie
 Xanthoparmelia stenophylla (Ach.) Ahti & D. Hawksw.-(syn. *Parmelia stenophylla*)-Foliose,
 Taiga Shield, Boreal Shield
 ^Xanthoparmelia subdecepiens (Vainio) Hale-(syn. *Parmelia subdecepiens*)-Foliose, Prairie
 Xanthoparmelia tasmanica (Hooker f. & Taylor) Hale-(syn. *Parmelia tasmanica*)-Foliose,
 Taiga Shield,. Boreal Shield, Boreal Plain
 Xanthoparmelia wyomingica (Gyelnik) Hale-(syn. *Parmelia wyomingica*)-Foliose, Prairie

XANTHORIA (Th.) Th. Fr.

Xanthoria candelaria (L.) Th. Fr.-(syn. *Teloschistes candelarius*)-Foliose, Taiga Shield, Boreal Shield, Boreal Plain, Prairie

Xanthoria elegans (Link) Th. Fr.-(syn. *Caloplaca elegans*)-Foliose, Taiga Shield, Boreal Shield Boreal Plain, Prairie

Xanthoria polycarpa (Hoffm.) Rieber-(syn. *Teloschistes polycarpus*)-Foliose, Boreal Plain, Prairie

Xanthoria sorediata (Vainio) Poelt-(syn. *Caloplaca sorediata*)-Foliose, Taiga Shield, Boreal Shield

Xanthoria cf. *tibellii* S.Y.Kondr.& Kärnefel-Foliose, Prairie

XYLOGRAPHA (Fr.) Fr.

Xylographa parallela (Ach.:Fr.) Behlen & Desberge-Crustose, Taiga Shield, Boreal Shield, Boreal Plain

ZWACKHIOMYCES

*[^]*Zwackhiomyces coupulomus* (Norman) Grube & Sant., Parasitic, Prairie

Lichens of Saskatchewan, Canada - Genus and Species

Grouped by Ecozone - sorted by Genus and Species and showing Growth Form

*List compiled by Bernard De Vries and Robert A. Wright. * Denotes parasitic-lichenicolous fungi and + stands for saphrophytic species.*

Web Listing maintained by Bernard de Vries, Updated June 30, 2015

Ecozone**Taiga Shield**

Genus, Species, & Growth Form * Denotes parasitic-lichenicolous species

Abrothallus

**Abrothallus parmeliarum* (Sommerf.) Arnold Crustose

ACAROSPORA

Acarospora badiofusca (Nyl.) Th. Fr. Crustose

Acarospora glaucocarpa (Ach.) Körber Crustose

ALECTORIA

Alectoria ochroleuca (Hoffm.) A. Massal. Fruticose

AMANDINEA

Amandinea punctata (Hoffm.) Coppins & Scheid. Crustose

ARCTOCETRARIA

Arctocetraria nigricascens (Nyl.) Kärnefelt & Thell

ARCTOPARMELIA

Arctoparmelia centrifuga (L.) Hale Foliose

Arctoparmelia separata (Th. Fr.) Hale Foliose

ARTHONIA

Arthonia spadicea Leighton Crustose

ASPICILIA

Aspicilia cinerea Körber Crustose

BAEOMYCES

Baeomyces carneus Flörke Fruticose

Baeomyces rufus (Hudson) Rebent. Fruticose

BIATORA

Biatora cuprea (Sommerf.) Fr. Crustose

Biatora vernalis (L.) Fr. Crustose

BILIMBIA

Bilimbia sabuletorum (Schreber) Arnold Crustose

BRYORIA

Bryoria furcellata (Fr.) Brodo & D. Hawksw. Fruticose
Bryoria fuscescens (Gyelnik) Brodo & D. Hawksw. Fruticose
Bryoria lanestris (Ach.) Brodo & D. Hawksw. Fruticose
Bryoria nadvornikiana (Gyeln.) Brodo & D. Hawksw. Fruticose

BUELLIA

Buellia disciformis (Fr.) Mudd Crustose

CALICIUM

Calicium trabinellum (Ach.) Ach. Crustose

CALOPLACA

Caloplaca cerina (Ehrh. ex Hedwig) Th. Fr. Crustose
Caloplaca flavovirescens (Wulfen) Dalla Torre Crustose
Caloplaca holocarpa (Hoffm. ex Ach.) M. Wade Crustose
Caloplaca ulmorum (Fink) Fink Crustose

CANDELARIA

Candelaria concolor (Dickinson) Stein Foliose

CANDELARIELLA

Candelariella aurella (Hoffm.) Zahlbr. Crustose
Candelariella vitellina (Hoffm.) Müll. Arg. Crustose

CETRARIA

Cetraria aculeata (Schreber) Fr. Fruticose
Cetraria ericetorum Opiz subsp. ericetorum Fruticose
Cetraria islandica (L.) Ach. subsp. islandica Fruticose
Cetraria laevigata Räsänen Fruticose

CETRARIELLA

Cetrariella commixta (Nyl.) A. Thell & Kärnefelt Fruticose
Cetrariella delisei (Bory ex Schaerer) Kärnefelt Fruticose

CHAENOTHECA

Chaenotheca chrysocephala (Turner ex Ach.) Th. Fr. Crustose

CLADONIA

Cladonia arbuscula (Wallr.) Flotow. Fruticose
Cladonia arbuscula subsp. mitis (Sandst.) Ruoss (syn. *Cladina mitis*) Fruticose
Cladonia amaurocraea (Flörke) Schaerer Fruticose
Cladonia bellidiflora (Ach.) Schaerer Fruticose
Cladonia borealis S. Stenroos Fruticose
Cladonia botrytes (K. Hagen) Willd. Fruticose
Cladonia cariosa (Ach.) Sprengel Fruticose
Cladonia carneola (Fr.) Fr. Fruticose
Cladonia cenotea (Ach.) Schaerer Fruticose
Cladonia cervicornis (Ach.) Flotow subsp. verticillata Fruticose
Cladonia chlorophaea (Flörke ex Sommerf) Sprengel Fruticose
Cladonia coccifera (L.) Willd. Fruticose
Cladonia coniocraea (Flörke) Sprengel Fruticose
Cladonia cornuta (L.) Hoffm. subsp. cornuta Fruticose
Cladonia crispata (Ach.) Flotow var. crispata Fruticose
Cladonia cristatella Tuck. Fruticose
Cladonia deformis (L.) Hoffm. Fruticose
Cladonia ecmocyna Leighton subsp. ecmocyna Fruticose
Cladonia fimbriata (L.) Fr. Fruticose
Cladonia gracilis subsp. elongata (Jacq.) Vainio Fruticose
Cladonia gracilis (L.) Willd. subsp. gracilis Fruticose
Cladonia gracilis subsp. turbinata (Ach.) Ahti Fruticose
Cladonia macilenta Hoffm. Fruticose
Cladonia macilenta var. bacillaris (Genth.) Schreerer Fruticose
Cladonia macrophylla (Schaerer) Stenh. Fruticose
Cladonia macrophyllodes Nyl. Fruticose

Cladonia maxima (Asahina.) Ahti Fruticose
Cladonia metacorallifera Asahina. Fruticose
Cladonia multiformis G. Merr. Fruticose
Cladonia ochrochlora Flörke Fruticose
Cladonia phyllophora Hoffm. Fruticose
Cladonia pleurota (Flörke) Schaerer Fruticose
Cladonia pocillum (Ach.) Grognot Fruticose
Cladonia pyxidata (L.) Hoffm. Fruticose
Cladonia rangiferina (L.) F.H. Wigg.. (syn. *Cladina rangiferina*) Fruticose
Cladonia rei Schaerer Fruticose
Cladonia stellaris (Opiz) pouzar & Vezda (syn. *Cladina stellaris*) Fruticose
Cladonia stygia (Fr.) Ruoss (syn. *Cladina stygia*) Fruticose
Cladonia squamosa Hoffm. Fruticose
Cladonia subulata (L.) F.H. Wigg. Fruticose
Cladonia sulphurina (Michaux) Fr. Fruticose
Cladonia symphylicarpa (Flörke) Fr. Fruticose
Cladonia trassii Ahti Fruticose
Cladonia turgida Hoffm. Fruticose
Cladonia uncialis (L.) F.H. Wigg. Fruticose

COENOGONIUM

Coenogonium pineti (Ach.) Lücking & Lumbsch Crustose

COLLEMA

Collema tenax (Sw.) Ach. Foliose

CYPHELIUM

Cyphelium tigillare (Ach.) Ach. Crustose

DERMATOCARPON

Dermatocarpum luridum (With.) J.R. Laundon Foliose

Dermatocarpum miniatum (L.) W. Mann Foliose

DIPLOSCHISTES

Diploschistes muscorum (Scop.) R. Sant. subsp. muscorum Crustose

EVERNIA

Evernia mesomorpha Nyl. Fruticose

FLAVOCETRARIA

Flavocetraria cucullata (Bellardi) Kärnefelt and Thell Fruticose

Flavocetraria nivalis (L.) Kärnefelt and Thell Fruticose

FLAVOPUNCTELIA

Flavopunctelia flaventior (Stirton) Hale Foliose

Flavopunctelia soledica (Nyl.) Hale Foliose

HYPOCENOMYCE

Hypocenomyce scalaris (Ach.ex Lilj.) M. Choisy Squamulose

HYPOGYMNA

Hypogymnia bitteri (Lyngé) Ahti Foliose

Hypogymnia physodes (L.) Nyl. Foliose

Hypogymnia subobscura (Vainio) Poelt Foliose

HYPOTRACHYNA

Hypotrachyna laevigata (Sm.) Hale Foliose

ICMADOPHILA

Icmadophila ericetorum (L.) Zahlbr. Crustose

IMSHAUGIA

Imshaugia aleurites (Ach.) S. F. Meyer Foliose

Imshaugia placrodia (Ach.) S.F. Meyer Foliose

IONAPSIS

Ionaspis lacustris (With.) Lutzoni Crustose

LASALLIA

Lasallia papulosa (Ach.) Llano Foliose

Lasallia pensylvanica (Hoffm.) Llano Foliose

LECANORA

Lecanora abellula Nyl. Crustose
Lecanora cenisia Ach. Crustose
Lecanora circumborealis Brodo & Vitik Crustose
Lecanora dispersa (Pers.) Sommerf. Crustose
Lecanora epibryon (Ach.) Ach. Crustose
Lecanora geophila (Th. Fr.) Poelt Crustose
Lecanora polytropa (Hoffm.) Rabenh. Crustose
Lecanora rupicola (L.) Zahlbr. Crustose
Lecanora subintricata (Nylk.) Th. Fr. Crustose
Lecanora symmicta (Ach.) Ach. Crustose

LECIDEA

Lecidea auriculata Th. Fr. subsp. auriculata Crustose
Lecidea brachyspora (Th. Fr.) Nyl. Crustose
Lecidea lapicida (Ach.) Ach. var. lapicida Crustose
Lecidea tessellata Flörke Crustose

LECIDELLA

Lecidella carpathica Körber Crustose
Lecidella patavina (A. Massal.) Knoph and Leuckert Crustose
Lecidella stigmathea (Ach.) Hertel & Leuckert Crustose

LEPRARIA

Lepraria membranacea (Dickson) Vainio Crustose
Lepraria neglecta (Nyl.) Erichsen Crustose

LEPTOGIUM

Leptogium lichenoides (L.) Zahlbr. Crustose
Leptogium saturninum (Dickson) Nyl. Foliose

LETHARIA

Letharia vulpina (L.) Hue Fruticose

LICHENOMPHALIA

Lichenomphalia umbellifera (L.:Fr.) redhead, Lutzoni, Moncalvo & Vialys Mushroom forming

LOBARIA

Lobaria scrobiculata (Scop.) DC. Foliose

MASSALONGIA

Massalongia carnosata (Dickson) Körber Foliose

MELANELIA

Melanelia disjuncta (Erichsen) Essl. Foliose
Melanelia hepaticum (Ach.) Thell. Fruticose
Melanelia panniformis (Nyl.) Essl. Foliose
Melanelia soledata (Ach.) Goward & Ahti Foliose
Melanelia stygia (L.) Essl. Foliose
Melanelia tominii (Oxner) Essl. Foliose

MELANELIXIA

Melanelixia subaurifera (Nyl.) O. Blanco et al. Foliose

MELAMNOHALEA

Melanohalea exasperatula (Nyl.) O. Blanco et al. Foliose
Melanohalea olivacea (L.) O. Blanco et al. Foliose
Melanohalea septentrionalis (Lynge) O. Blanco et al. Foliose
Melanohalea subolivacea (Nyl.) O. Blanco et al. Foliose

MICAREA

Micarea assimilata (Nyl.) Coppins Crustose

MYCOBILIMBIA

Mycobilimbium tetramera (De Not.) W. Brunnbauer Crustose

MYCOBLASTUS

Mycoblastus alpinus (Fr.) Kernst. Crustose
Mycoblastus sanguinarius (L.) Norman Crustose

MYCOCALICIUM

+Mycocalicium subtile (Pers.) Szatala Crustose

NEPHROMA

Nephroma arcticum (L.) Torss. Foliose
Nephroma bellum (Sprengel) Tuck. Foliose
Nephroma helveticum Ach. subsp. helvaticum Foliose
Nephroma parile (Ach.) Ach. Foliose
Nephroma resupinatum (L.) Ach. Foliose

OCHROLECHIA

Ochrolechia androgyna (Hoffm.) Arnold Crustose
Ochrolechia frigida (Sw.) Lynge Crustose
Ochrolechia inaequatula (Nyl.) Zahlbr. Crustose
Ochrolechia upsaliensis (L.) A. Massal. Crustose

OPHIOPARMA

Ophioparma lapponica (Räsänen) Hafellner & R. W. Crustose
Ophioparma ventosa (.) Norman Crustose

PARMELIA

Parmelia omphalodes (L.) Ach. subsp. omphalodes Foliose
Parmelia saxatilis (L.) Ach. Foliose
Parmelia sulcata Taylor Foliose

PARMELIOPSIS

Parmeliopsis ambigua (Wulfen) Nyl. Foliose
Parmeliopsis hyperopta (Ach.) Arnold Foliose

PELTIGERA

Peltigera aphthosa (L.) Willd. Foliose
Peltigera canina (L.) Willd. Foliose
Peltigera didactyla (With.) J. R. Laundon Foliose
Peltigera elisabethae Gyelnik Foliose
Peltigera lepidophora (Nyl. ex Vanio) Bitter Foliose
Peltigera leucophlebia (Nyl.) Gyelnik Foliose
Peltigera malacea (Ach.) Funck. Foliose
Peltigera neckeri Hepp. ex Müll.) Arg. Foliose
Peltigera neopolydactyla (Gyelnik) Gyelnik Foliose
Peltigera polydactylon (Necker) Hoffm. Foliose
Peltigera ponojensis Gyelnik Foliose
Peltigera rufescens (Weiss) Humb. Foliose
Peltigera scabrosa Th. Fr. Foliose

PHAEOPHYSCIA

Phaeophyscia constipata (Norrin & Nyl.) Moberg Foliose
Phaeophyscia sciastra (Ach.) Moberg Foliose

PHYSCIA

Physcia adscendens (Fr.) H. Oliver Foliose
Physcia aipolia (Ehrh. ex Humb.) Fűrnr. var. aipolia Foliose
Physcia caesia (Hoffm.) Fűrnr. Foliose
Physcia dubia (Hoffm.) Lettau Foliose
Physcia phaea (Tuck.) J. W. Thomsson Foliose
Physcia stellaris (L.) Nyl. Foliose

PHYSCONIA

Physconia detersa (Nyl.) Poelt Foliose
Physconia muscigena (Ach.) Poelt Foliose

PLACYNTHIELLA

Placynthiella oligotropha (J.R. Laundon) Coppins & P. Crustose

PLATISMATIA

Platismatia glauca (L.) W.L. Culb. & C.F. Culb. Foliose

PORPIDIA

Porpidia crustulata (Ach.) Hertel & Knoph Crustose
Porpidia lowiana Gowan Crustose
Porpidia macrocarpa (DC.) Hertel & A. J. Schwab Crustose
Porpidia thomsonii Gowan Crustose

PROTOMICAREA

Protomicarea limosa (Ach.) Hafellner Crustose

PROTOPANNARIA

Protopannaria pezizoides (Weber) P.M. Jorg & Ekman Squamulose

PSILOLECHIA

Psilolechia lucida (Ach.) M. Choisey Crustose

PSORULA

Psorula rufonigra (Tuck.) Gotth. Schneider Squamulose

PUNCTELIA

Punctelia subrudecta (Nyl.) Krog Foliose

RAMALINA

Ramalina farinacea (L.) Ach. Fruticose
Ramalina intermedia (Delise ex Nyl.) Nyl. Fruticose
Ramalina obtusata (Arnold) Bitter Fruticose
Ramalina pollinaria (Westr.) Ach. Fruticose

RHIZOCARPON

Rhizocarpon disporum (Nägeli ex Hepp) Müll. Arg. Crustose
Rhizocarpon geminatum Körber Crustose
Rhizocarpon geographicum (L.) DC. Crustose
Rhizocarpon grande (Flörke ex Flotow) Arnold Crustose
Rhizocarpon hochstetteri (Körber) Vainio Crustose
Rhizocarpon lindsayanum Räsänen Crustose (possibly a subsp. of R. geographicum)
Rhizocarpon riparium Räsänen Crustose (possibly a subsp. of R. geographicum)

RHIZOPLACA

Rhizoplaca chrysoleuca (Sm.) Zopf Foliose
Rhizoplaca melanophthalma (DC.) Leuckert & Poelt Foliose
Rhizoplaca subdiscrepans (Nyl.) R. Sant Foliose

SCHAERERIA

Schaereria fuscocinerea (Nyl.) Clauzade & Roux Crustose

SILOBIA

Silobia smaragdula (Wahlenb.) M. Westb. & Wedin Crustose

SOLORINA

Solorina bispora Nyl. Foliose
Solorina crocea (L.) Ach. Foliose
Solorina saccata (L.) Ach. Foliose

SPHAEROPHORUS

Sphaerophorus fragilis (L.) Pers. Fruticose

SPILONEMA

Spilonema revertens Nyl. Fruticose

SPORASTASIA

Sporastasia testudinea (Ach.) A. Massal. Crustose

STAUROTHELE

Staurothele drummondii (Tuck.) Tuck. Crustose
Staurothele fissa (Taylor) Zwackh Crustose

STEREOCAULON

Stereocaulon alpinum Laurer ex Funck Fruticose
Stereocaulon dactylophyllum Flörke Fruticose
Stereocaulon glareosum (Savicz.) H. Magn. Fruticose
Stereocaulon grande (H. Magn.) H. Magn. Fruticose
Stereocaulon paschale (L.) Hoffm. Fruticose
Stereocaulon rivulorum H. Magn. Fruticose

Stereocaulon saxatile H. Magn. Fruticose

Stereocaulon tomentosum Fr. Fruticose

STRANGOSPORA

Strangospora moriformis (Ach.) Stein Crustose

TRAPELIOPSIS

Trapeliopsis flexuosa (Fr.) Coppins & James Crustose

Trapeliopsis granulosa (Hoffm.) Lumbsch Crustose

TREMOLECHIA

Tremolecia atrata (Ach.) Hertel Crustose

TUCKERMANNOPSIS

Tuckermannopsis americana (Sprengel) Hale Fruticose

Tuckermannopsis sepincola (Ehrh.) Hale Fruticose

UMBILICARIA

Umbilicaria americana Poelt & T.H. Nash Foliose

Umbilicaria deusta (L.) Baumg. Foliose

Umbilicaria hyperborea (Ach.) Hoffm. var. hyperborea Foliose

Umbilicaria mammulata (Ach.) Tuck. Foliose

Umbilicaria muehlenbergii (Ach.) Tuck. Foliose

Umbilicaria torrefacta (Lightf.) Schrader Foliose

Umbilicaria vellea (L.) Hoffm. Foliose

Umbilicaria virginis Schaerer Foliose

USNEA

Usnea alpina Motyka Fruticose

Usnea cavernosa Tuck. Fruticose

Usnea filipendula Stirton Fruticose

Usnea glabrata (Ach.) Vainio Fruticose

Usnea hirta (L.) F. H. Wigg Fruticose

Usnea scabrata Nyl. Fruticose

Usnea substerilis Motyka Fruticose

VULPICIDA

Vulpicida pinastris (Scop.) J.E. Mattson & M.J. Lai Foliose

XANTOMENDOZA

Xanthomendoza fallax (Hepp ex Arnold) Søchting (syn. *Xanthoria fallax*) Foliose

XANTHOPARMELIA

Xanthoparmelia cumberlandia (Gyelnik) Hale Foliose

Xanthoparmelia stenophylla (Ach.) Ahti & D. Hawksw. Foliose

Xanthoparmelia tasmanica (Hook. f. & Taylor) Hale Foliose

Xanthoparmelia taractica (Kremph.) Hale Foliose

XANTHORIA

Xanthoria candelaria (L.) Th. Fr. Foliose

Xanthoria elegans (Link) Th. Fr. Foliose

Xanthoria soreliata (Vainio) Poelt Foliose

XYLOGRAPHA

Xylographa parallela (Ach.:Fr.) Behlen & Desberger Crustose

Ecozone

Boreal Shield

Genus, Species & Growth Form.*Denotes parasitic-lichenicolous Fungi

Abrothallus

*Abrothallus parmeliarum (Sommerf.) Arnold Crustose

ACAROSPORA

Acarospora fuscata (Schrader) Arnold Crustose

Acarospora glaucocarpa (Ach.) Körber Crustose

AMANDINEA

Amandinea punctata (Hoffm.) Coppins & Scheid. Crustose

ARCTOPARMELIA

Arctoparmelia centrifuga (L.) Hale Foliose

Arctoparmelia incurva (Pers.) Hale Foliose

Arctoparmelia separata (Th. Fr.) Hale Foliose

ASPICILIA

Asoicilia caesiocinerea Crustose

Aspicilia cinerea Körber Crustose

BILIMBIA

Bilimbium sabuletorum (Schreber) Arnold Crustose

BRYORIA

Bryoria capillaris (Ach.) Brodo & D. Hawksw. Fruticose

Bryoria furcellata (Fr.) Brodo & D. Hawksw. Fruticose

Bryoria fuscescens (Gyelnik) Brodo & D. Hawksw. Fruticose

Bryoria implexa (Hoffm.) Brodo & D. Hawksw. Fruticose

Bryoria lanestris (Ach.) Brodo & D. Hawksw. Fruticose

Bryoria simplicior (Vainio) Brodo & D. Hawksw. Fruticose

BUELLIA

Buellia disciformis (Fr.) Mudd Crustose

Buellia spuria (Schaerer) Anzi Crustose

Calicium trabinellum (Ach.) Ach. Crustose

CALOPLACA

Caloplaca cerina (Ehrh. ex Hedwig) Th. Fr. Crustose

Caloplaca flavovirescens (Wulfen) Dalla Torre & Crustose

Caloplaca holocarpa (Hoffm. ex Ach.) M. Wade Crustose

Caloplaca ulmorum (Fink) Fink Crustose

CANDELARIA

Candelaria concolor (Dickinson) Stein Foliose

CANDELARIELLA

Candelariella aurella (Hoffm.) Zahlbr. Crustose

Candelariella vitellina (Hoffm.) Müll. Arg. Crustose

CETRARIA

Cetraria aculeata (Schreber) Fr. Fruticose

Cetraria ericetorum Opiz subsp. ericetorum Fruticose

Cetraria islandica (L.) Ach. subsp. islandica Fruticose

Cetraria laevigata Räsänen Fruticose

CETRARIELLA

Cetrariella commixta (Nyl.) A. Thell & Kärnefelt Fruticose

CHAENOTHECA

Chaenotheca chrysocephala (Turner ex Ach.) Th. Fr. Crustose

CLADONIA

Cladonia amaurocraea (Flörke) Schaerer Fruticose

Cladonia arbuscula (Wallr.) Flotow Fruticose

Cladonia arbuscula subsp. mitis (Sandst.) Ruoss (syn. *Cladina mitis*) Fruticose

Cladonia borealis S. Stenroos Fruticose

Cladonia botrytes (K. Hagen) Willd. Fruticose

Cladonia cariosa (Ach.) Sprengel Fruticose

Cladonia cenotea (Ach.) Schaerer Fruticose

Cladonia cervicornis (Ach.) Flotow subsp. verticellarisi Fruticose

Cladonia chlorophaea (Flörke ex Sommerf) Sprengel Fruticose

Cladonia coniocraea (Flörke) Sprengel Fruticose

Cladonia cornuta (L.) Hoffm. subsp. cornuta Fruticose

Cladonia crispata (Ach.) Flotow subsp. crispata Fruticose

Cladonia cristatella Tuck. Fruticose

Cladonia deformis (L.) Hoffm. Fruticose
 Cladonia ecmocyna Leighton subsp. ecmocyna Fruticose
 Cladonia fimbriata (L.) Fr. Fruticose
 Cladonia gracilis (L.) Willd. subsp. gracilis Fruticose
 Cladonia gracilis subsp. turbinata (Ach.) Ahti Fruticose
 Cladonia macilenta Hoffm. Fruticose
 Cladonia macrophylla (Schaerer) Stenh. Fruticose
 Cladonia macrophyllodes Nyl. Fruticose
 Cladonia macilenta var. bacillaris (Genth) Schaerer
 Cladonia metacorallifera Asahina. Fruticose
 Cladonia multiformis G. Merr. Fruticose
 Cladonia phyllophora Hoffm. Fruticose
 Cladonia pleurota (Flörke) Schaerer Fruticose
 Cladonia pocillum (Ach.) Grognot Fruticose
 Cladonia pyxidata (L.) Hoffm. Fruticose
 Cladonia rangiferina (L.) F.H. Wigg. (syn. *Claddina rangiferina*) Fruticose
 Cladonia rei Schaerer Fruticose
 Cladonia squamosa Hoffm. Fruticose
 Cladonia stellaris (Opiz) Pouzar & Vezda (syn. *Cladina stellaris*) Fruticose
 Cladonia stygia (Fr.) Ruossi (syn. *Cladina stygia*) Fruticose
 Cladonia subulata (L.) F.H. Wigg. Fruticose
 Cladonia sulphurina (Michaux) Fr. Fruticose
 Cladonia symphycarpa (Flörke) Fr. Fruticose
 Cladonia trassii Ahti Fruticose
 Cladonia turgida Hoffm. Fruticose
 Cladonia uncialis (L.) F.H. Wigg. Fruticose
COENOGONIUM
 Coenogonium pineti (Ach.) Lücking & Lumbsch Crustose
COLLEMA
 Collema tenax (Sw.) Ach. Foliose
CYPHELIUM
 Cyphelium tigillare (Ach.) Ach. Crustose
DIMELAENA
 Dimelaena oreina (Ach.) Norman Crustose
DIPLOSCHISTES
 Diploschistes muscorum (Scop.) R. Sant. subsp. muscorum Crustose
 Diploschistes scruposus (Schreber) Norman Crustose
EVERNIA
 Evernia mesomorpha Nyl. Fruticose
FLAVOCETRARIA
 Flavocetraria cucullata (Bellardi) Kärnefelt and Thell Fruticose
 Flavocetraria nivalis (L.) Kärnefelt and Thell Fruticose
FLAVOPUNCTELIA
 Flavopunctelia flaventior (Stirton) Hale Foliose
 Flavopunctelia soledica (Nyl.) Hale Foliose
HYPOCENOMYCE
 Hypocenomyce scalaris (Ach.ex Lilj) M. Choisy Squamulose
HYPOGYMNA
 Hypogymnia bitteri (Lyngé) Ahti Foliose
 Hypogymnia physodes (L.) Nyl. Foliose
ICMADOPHILA
 Icmadophila ericetorum (L.) Zahlbr. Crustose
IMSHAUGIA
 Imshaugia aleurites (Ach.) S. F. Meyer Foliose
LASALLIA
 Lasallia papulosa (Ach.) Llano Foliose

LECANORA

Lecanora albellula Nyl. Crustose
Lecanora cadubriae (A. Massal.) Hedl. Crustose
Lecanora cenisia Ach. Crustose
Lecanora dispersa (Pers.) Sommerf. Crustose
Lecanora polytropa (Hoffm.) Rabenh. Crustose
Lecanora rupicola (L.) Zahlbr. Crustose
Lecanora sambuci (Pers.) Nyl. Crustose
Lecanora symmicta (Ach.) Ach. Crustose

LECIDEA

Lecidea brachyspora (Th.Fr.) Nyl. Crustose
Lecidea lapicida (Ach.) Ach. var. lapicida Crustose
Lecidea nylanderii (Anzi) Th. Fr. Crustose

LECIDELLA

Lecidella elaeochroma (Ach.) M. Choisy Crustose
Lecidella stigmatia (Ach.) Hertel & Leuckert Crustose

LEPRARIA

Lepraria neglecta (Nyl.) Erichsen Crustose

LEPTOGIUM

Leptogium saturninum (Dickson) Nyl. Foliose

LICHENOMPHALIA

Lichenomphalia umbellifera (L.:) Redhead, Lutzoni, Moncalvo & Vilgalys Mushroom forming

LOBARIA

Lobaria pulmonaria (L.) Hoffm. Foliose

MASSALONGIA

Massalongia carnosa (Dickson) Körber Foliose

MELANELIA

Melanelia hepatizon (Ach.) Thell Fruticose
Melanelia soreliata (Ach.) Goward & Ahti Foliose
Melanelia subaurifera (Nyl.) O. Blanco et al. Foliose

MELANELIXIA

Melanelixia albertana (Ahti) O. Blanco et al. Foliose
Melanelixia subaurifera (Nyl.) O. Blanco et al. Foliose

MELANOHALEA

Melanohalea exasperatula (Nyl.) O. Blanco et al. Foliose
Melanohalea olivacea (L.) O. Blanco et al. Foliose
Melanohalea septentrionalis (Lynge) O. Blanco et al. Foliose

MICROCALICIUM

*Microcalicium disseminatum (Ach.) Vainia Crustose

MYCOBILIMBIA

Mycobilimbium tetramera (De Not.) W. Brunnbauer Crustose

MYCOBLASTUS

Mycoblastus sanguinarius (L.) Norman Crustose

NEPHROMA

Nephroma arcticum (L.) Torss. Foliose
Nephroma helveticum Ach. subsp. helveticum Foliose

OCHROLECHIA

Ochrolechia inaequatula (Nyl.) Zahlbr. Crustose
Ochrolechia upsaliensis (L.) A. Massal. Crustose

PANNARIA

Pannaria conoplea (Ach.) Bory Squamulose

PARMELIA

Parmelia saxatilis (L.) Ach. Foliose
Parmelia sulcata Taylor Foliose

PARMELIOPSIS

Parmeliopsis ambigua (Wulfen) Nyl. Foliose
Parmeliopsis hyperopta (Ach.) Arnold Foliose

PELTIGERA

Peltigera aphthosa (L.) Willd. Foliose
Peltigera canina (L.) Willd. Foliose
Peltigera didactyla (With.) J. R. Laundon Foliose
Peltigera lepidophora (Nyl. ex Vainio) Bitter Foliose
Peltigera leucophlebia (Nyl.) Gyelnik Foliose
Peltigera malacea (Ach.) Funck. Foliose
Peltigera neckeri Hepp. ex Müll.) Arg. Foliose
Peltigera neopolydactyla (Gyelnik) Gyelnik Foliose
Peltigera ponojensis Gyelnik Foliose
Peltigera praetextata (Flörke ex Sommerf.) Zopf. Foliose
Peltigera rufescens (Weiss) Humb. Foliose
Peltigera scabrosa Th. Fr. Foliose

PAEOPHYSCIA

Phaeophyscia orbicularis (Necker) Moberg Foliose
Phaeophyscia sciastra (Ach.) Moberg Foliose

PHYSCIA

Physcia adscendens (Fr.) H. Oliver Foliose
Physcia aipolia (Ehrh. ex Humb.) Fűrnr. var. *aipolia* Foliose
Physcia caesia (Hoffm.) Fűrnr. Foliose
Physcia phaea (Tuck.) J. W. Thomsson Foliose
Physcia stellaris (L.) Nyl. Foliose

PHYSCONIA

Physconia detersa (Nyl.) Poelt Foliose

PLATISMATIA

Platismatia glauca (L.) W.L. Culb. & C.F Culb. Foliose

PROTOPANNARIA

Protopannaria pezizoides P.M Jørg. & Ekman Squamulose

PROTOPARMELIA

Protoparmelia badia (Hoffm.) Hafellner Crustose

PSORA

Psora himalayana (Church. Bab.) Timdal Squamulose

RAMALINA

Ramalina dilacerata (Hoffm.) Hoffm. Fruticose
Ramalina farinacea (L.) Ach. Fruticose
Ramalina intermedia (Delise ex Nyl.) Nyl. Fruticose
Ramalina obtusata (Arnold) Bitter Fruticose
Ramalina pollinaria (Westr.) Ach. Fruticose

RHIZOCARPON

Rhizocarpon cinereovirens (Müll. Arg.) Vainio Crustose
Rhizocarpon disporum (Nägeli ex Hepp) Müll. Arg. Crustose
Rhizocarpon geographicum (L.) DC. Crustose
Rhizocarpon grande (Flörke ex Flotow) Arnold Crustose
Rhizocarpon hochstetteri (Körber) Vainio Crustose
Rhizocarpon norvegicum Räsänen Crustose

RHIZOPLACA

Rhizoplaca chrysoleuca (Sm.) Zopf Foliose
Rhizoplaca melanophthalma (DC.) Leuckert & Poelt Foliose

RINODINA

Rinodina freyi H. Magn. Crustose

SCHAERERIA

Schaereria fuscocinerea (Nyl.) Clauzade & C.L. Roux Crustose

SOLORINA

Solorina bispora Nyl. Foliose

Solorina saccata (L.) Ach. Foliose

STAUROTHELE

Staurothele drummondii (Tuck.) Tuck. Crustose

Staurothele fissa (Taylor) Zwackh Crustose

STEREOCAULON

Stereocaulon alpinum ex Funck Fruticose

Stereocaulon condensatum Hoffm. Fruticose

Stereocaulon grande (H. Magn.) H. Magn. Fruticose

Stereocaulon paschale (L.) Hoffm. Fruticose

Stereocaulon saxatile H. Magn. Fruticose

Stereocaulon tomentosum Fr. Fruticose

STRANGOSPORA

Strangospora moriformis (Ach.) Stein Crustose

TRAPELIOPSIS

Trapeliopsis flexuosa (Fr.) Coppins & James Crustose

Trapeliopsis granulosa (Hoffm.) Lumbsch Crustose

TUCKERMANNOPSIS

Tuckermannopsis americana (Sprengel) Hale Fruticose

Tuckermannopsis ciliaris (Ach.) Gyelnik Foliose

Tuckermannopsis sepincola (Ehrh.) Hale Fruticose

UMBILICARIA

Umbilicaria americana Poelt & T.H. Nash Foliose

Umbilicaria deusta (L.) Baumg. Foliose

Umbilicaria muehlenbergii (Ach.) Tuck. Foliose

Umbilicaria torrefacta (Lightf.) Schrader Foliose

Umbilicaria vellea (L.) Hoffm. Foliose

USNEA

Usnea alpina Motyka Fruticose

Usnea cavernosa Tuck. Fruticose

Usnea filipendula Stirton Fruticose

Usnea fulvorenans (Räsänen) Räsänen Fruticose

Usnea glabrescens (Nyl. ex Vainio) Vainio Fruticose

Usnea hirta (L.) F. H. Wigg Fruticose

Usnea scabrata Nyl. Fruticose

Usnea subfloridana Stirton Fruticose

Usnea substerilis Motyka Fruticose

VERRUCARIA

Verrucaria nigrescens Pers. Crustose

Verrucaria rupestris Schrader Crustose

VULPICIDA

Vulpicida pinastri (Scop.) J.E. Mattson & M.J. Lai Foliose

XANTHOPARMELIA

Xanthoparmelia conspersa (Ehrh. ex Ach.) Hale Foliose

Xanthoparmelia lineola (E. C. Berry) Hale Foliose

Xanthoparmelia stenophylla (Ach.) Ahti & D. Hawksw. Foliose

Xanthoparmelia tasmanica (Hook. f. & Taylor) Hale Foliose

XANTHOMENDOZA

Xanthomendoza fallax (Hepp ex Arnold) Søchting Foliose

XANTHORIA

Xanthoria candelaria (L.) Th. Fr. Foliose

Xanthoria elegans (Link) Th. Fr. Foliose

Xanthoria soreliata (Vainio) Poelt Foliose

XYLOGRAPHA

Xylographa parallela (Ach.:Fr.) Behlen & Desberger Crustose

Ecozone

Boreal Plain

Genus, Species & Growth Form

ACAROSPORA

Acarospora glaucocarpa (Ach.) Körber Crustose

AMANDINEA

Ammandinea dakotensis (H. Magn.) P. May & Sheard Crustose

Amandinea punctata (Hoffm.) Coppins & Scheid. Crustose

ARTHONIA

Arthonia patellulata Nyl. Crustose

Arthonia radiata (Pers.) Ach. Crustose

Arthonia vinosa Leighton Crustose

ARTHOSPORUM

Arthrosporium populorum A. Massal. Crustose

ASPICILIA

Aspicilia caesiocinerea Crustose

Aspicilia cinerea Körber Crustose

Aspicilia supertegens Arnold Crustose

BACIDIA

Bacidia igniarii (Nyl.) Oxner Crustose

BAEOMYCES

Baeomyces rufus (Hudson) Rebert. Fruticose

BIATORA

Biatora globulosa (Flörke) Fr. Crustose

Biatora turgidula (Fr.) Nyl. Crustose

BILIMBIA

Bilimbia sabuletorum (Schreber) Arnold Crustose

BRYORIA

Bryoria capillaris (Ach.) Brodo & D. Hawksw. Fruticose

Bryoria furcellata (Fr.) Brodo & D. Hawksw. Fruticose

Bryoria fuscescens (Gyelnik) Brodo & D. Hawksw. Fruticose

Bryoria implexa (Hoffm.) Brodo & D. Hawksw. Fruticose

Bryoria lanestris (Ach.) Brodo & D. Hawksw. Fruticose

Bryoria simplicior (Vainio) Brodo & D. Hawksw. Fruticose

Bryoria trichodes (Michx.) Brodo & D. Hawksw. subsp. *trichodes* Fruticose

BUELLIA

Buellia disciformis (Fr.) Mudd Crustose

CALICIUM

Calicium abietinum Pers. Crustose

Calicium viride Pers. Crustose

CALOPLACA

Caloplaca cerina (Ehrh. ex Hedwig) Th. Fr. Crustose

Caloplaca flavovirescens (Wulfen) Dalla Torre & Crustose

Caloplaca holocarpa (Hoffm. ex Ach.) M. Wade Crustose

CANDELARIA

Candelaria concolor (Dickinson) Stein Foliose

CANDELARIELLA

Candelariella aurella (Hoffm.) Zahlbr. Crustose

Candelariella dispersa (Räsänen) Hakul Crustose

Candelariella vitellina (Hoffm.) Müll. Arg. Crustose

CATILLARIA

Catillaria glauconigrans (Tuck.) Hasse Crustose

CATINARIA

Catinaria atropurpurea (Schaerer) Vezda & Poelt Crustose

CETRARIA

Cetraria aculeata (Schreber) Fr. Fruticose
Cetraria ericetorum Opiz subsp. ericetorum Fruticose
Cetraria islandica (L.) Ach. subsp. islandica Fruticose

CHAENOTHECA

Chaenotheca brunneola (Ach.) Müll. Arg. Crustose
Chaenotheca chrysocephala (Turner ex Ach.) Th. Fr. Crustose

CHAENOTHECOPSIS

Chaenothecopsis pusilla (Ach.) Alb. Schmidt Crustose

CIRCINARIA

Circinaria caesiocinerea (Nyl. ex Mahlbr.) A. Nordin, S. Savic & Tibell Crustose

CLADONIA

Cladonia arbuscula subsp. mitis (Sandst.) Ruoss (syn. *Cladina mitis*) Fruticose
Cladonia amaurocraea (Flörke) Schaerer Fruticose
Cladonia borealis S. Stenroos Fruticose
Cladonia botrytes (K. Hagen) Willd. Fruticose
Cladonia cariosa (Ach.) Sprengel Fruticose
Cladonia cenotea (Ach.) Schaerer Fruticose
Cladonia cervicornis subsp. verticellata (Hoffm.) Ahti Fruticose
Cladonia chlorophaea (Flörke ex Sommerf) Sprengel Fruticose
Cladonia coniocraea (Flörke) Sprengel Fruticose
Cladonia cornuta (L.) Hoffm. subsp. cornuta Fruticose
Cladonia cornuta subsp. groenlandica (E. Dahl) Ahti Fruticose
Cladonia crispata (Ach.) Flotow subsp. crispata Fruticose
Cladonia cristatella Tuck. Fruticose
Cladonia deformis (L.) Hoffm. Fruticose
Cladonia ecmocyna Leighton subsp. ecmocyna Fruticose
Cladonia ecmocyna subsp. intermedia (Robbins) Ahti Fruticose
Cladonia fimbriata (L.) Fr. Fruticose
Cladonia furcata (Hudson) Schrader Fruticose
Cladonia gracilis (L.) Willd. subsp. gracilis Fruticose
Cladonia gracilis (L.) Willd subsp. turbinata Fruticose
Cladonia grayi G. Merr. ex Sandst. Fruticose
Cladonia humilis (With.) J. R. Laundon Fruticose
Cladonia macilenta Hoffm. Fruticose
Cladonia macilenta var. bacillaris (Genth) Schaerer. Fruticose
Cladonia macrophyllodes Nyl. Fruticose
Cladonia multififormis G. Merr. Fruticose
Cladonia phyllophora Hoffm. Fruticose
Cladonia pleurota (Flörke) Schaerer Fruticose
Cladonia pocillum (Ach.) O.J.Rich Fruticose
Cladonia pyxidata (L.) Hoffm. Taiga Shield, Boreal Shield, Boreal Plain, Prairie
Cladonia rei Schaerer Taiga Shield, Boreal Shield, Boreal Plain, Prairie
Cladonia ramulosa (With.) J. R. Laundon Fruticose
Cladonia rangiferina (L.) F.H. Wigg. (syn. *Cladina rangiferina*) Fruticose
Cladonia rei Schaerer Fruticose
Cladonia subcariosa Nyl. Fruticose = Cladonia polycarpia G. Merr.)
Cladonia scabriuscula (Delise) Nyl. Fruticose
Cladonia squamosa Hoffm. Fruticose
Cladonia stellaris (Opiz) Pouzar & Vesda (syn. *Cladina stellaris*) Fruticose
Cladonia stygia (Fr.) Ruoss (syn. *Cladina stygia*) Fruticose
Cladonia subulata (L.) F.H. Wigg. Fruticose
Cladonia symphycarpa (Flörke) Fr. Fruticose
Cladonia uncialis (L.) F.H. Wigg. Fruticose

COLLEMA

Collema tenax (Sw.) Ach. Foliose

CYPHELIUM

Cyphelium notarissii (Tul.) Blom & Forssel Crustose

Cyphelium tigillare (Ach.) Ach. Crustose

COENOGONIUM

Coenogonium pineti (Ach.) Lücking & Lumbsch Crustose

DIPLOSCHISTES

Diploschistes muscorum (Scop.) R. Sant. subsp. muscorum Crustose

Diploschistes scruposus (Schreber) Norman Crustose

EVERNIA

Evernia mesomorpha Nyl. Fruticose

FLAVOPARMELIA

Flavoparmelia caperata (L.) Hale Foliose

FLAVOPUNCTELIA

Flavopunctelia flaventior (Stirton) Hale Foliose

Flavopunctelia soledica (Nyl.) Hale Foliose

HERTELIDEA

Hertelidea botryosa (Fr) Printzen & Kantvilas. Crustose

Hertelidea botryosa (Fr) Printzen & Kantvilas. Crustose

HYPOGYMNIA

Hypogymnia physodes (L.) Nyl. Foliose

ICMADOPHILA

Icmadophila ericetorum (L.) Zahlbr. Crustose

LECANIA

Lecania dubitans (Nyl.) A.L. Sm. Crustose

LECANORA

Lecanora albellula Nyl. Crustose

Lecanora argentata (Ach.) Malme Crustose

Lecanora argentea Oksner & Volkova Crustose

Lecanora cadubriae (A. Massal.) Hedl. Crustose

Lecanora cenisia Ach. Crustose

Lecanora circumborealis Brodo & Vitik Crustose

Lecanora dispersa (Pers.) Sommerf. Crustose

Lecanora hagenii (Ach.) Ach. Crustose

Lecanora hypoptoides (Nyl.) Nyl. Crustose

Lecanora intricata (Ach.) Ach. Crustose

Lecanora polytropa (Hoffm.) Rabenh. Crustose

Lecanora populicola (DC.) Duby Crustose

Lecanora pulicaris (Pers.) Ach. Crustose

Lecanora sambuci (Pers.) Nyl. Crustose

Lecanora symmicta (Ach.) Ach. Crustose

Lecanora varia (Hoffm.) Ach. Crustose

LECIDEA

Lecidea auriculata Th. Fr. subsp. auriculata Crustose

Lecidea lapicida (Ach.) Ach. var. lapicida Crustose

Lecidea nylanderii (Anzi) Th. Fr. Crustose

LECIDELLA

Lecidella elaeochroma (Ach.) M. Choisy. Crustose

Lecidella euphorea (Flörke) Hertel Crustose

Lecidella stigmatea (Ach.) Hertel & Leuckert Crustose

LEPRARIA

Lepraria neglecta (Nyl.) Erichsen Crustose

LEPTOGIUM

Leptogium saturninum (Dickson) Nyl. Foliose

Leptogium tenuissimum (Dickson) Körber Foliose

LOBOTHALLIA

Lobothallia alphoplaca (Wahlenb.) Hafellner Foliose

MELANELIA

Melanelia disjuncta (Erichsen) Essl. Foliose

Melanelia soredata (Ach.) Goward & Ahti Foliose

MELANELIXIA

Melanelixia albertana (Ahti) O. Blanco et al. Foliose

Melanelixia subargentifera (Nyl.) O. Blanco et al. Foliose

Melanelixia subaurifera (Nyl.) O. Blanco et al. Foliose

MELANOHALIA

Melanohalia elegantula (Zahlbr.) O. Blanco Foliose

Melanohalia exasperatula (Nyl.) O. Blanco et al.. Foliose

Melanohalia halei (Ahti) O. Blanco et al. Foliose

Melanohalia olivacea (L.) O. Blanco et al. Foliose

Melanohalia septentrionalis (Lyngé) O. Blanco et al. Foliose

Melanohalea subolivacea (Nyl.) O. Blanco et al. Foliose

MICROCALICIUM

*Microcalicium disseminatum (Ach.) Vaino

MYCOBILIMBIA

Mycobilimbia berengeriana (A. Massal.) Hafellner & V. Crustose

Mycobilimbia pilularis (Körber) Hafellner & Türk

MYCOBLASTUS

Mycoblastus sanguinarius (L) Norman Crustose

PARMELIA

Parmelia saxatilis (L.) Ach. Foliose

Parmelia sulcata Taylor Foliose

PARMELIOPSIS

Parmeliopsis ambigua (Wulfen) Nyl. Foliose

Parmeliopsis hyperopta (Ach.) Arnold Foliose

PELTIGERA

Peltigera aphthosa (L.) Willd. Foliose

Peltigera canina (L.) Willd. Foliose

Peltigera didactyla (With.) J. R. Laundon Foliose

Peltigera horizontalis (Hudson) Baumg. Foliose

Peltigera lepidophora (Vaino) Bitter Foliose

Peltigera leucophlebia (Nyl.) Gyelnik Foliose

Peltigera malacea (Ach.) Funck. Foliose

Peltigera neckeri Hepp. ex Müll.) Arg. Foliose

Peltigera neopolydactyla (Gyelnik) Gyelnik Foliose

Peltigera polydactylon (Necker) Hoffm. Foliose

Peltigera ponojensis Gyelnik Foliose

Peltigera praetextata (Florke ex Sommerf.) Zopf. Foliose

Peltigera rufescens (Weiss) Humb. Foliose

PHAEOPHYSCIA

Phaeophyscia orbicularis (Necker) Moberg Foliose

Phaeophyscia pusilloides (Zahlbr.) Essl. Foliose

PHYSCIA

Physcia adscendens (Fr.) H. Oliver Foliose

Physcia aipolia (Ehrh. ex Humb.) Fűrnr. var. aipolia Foliose

Physcia caesia (Hoffm.) Fűrnr. Foliose

Physcia dubia (Hoffm.) Lettau Foliose

Physcia stellaris (L.) Nyl. Foliose

PHYSCONIA

Physconia muscigena (Ach.) Poelt Foliose

PLACYNTHIUM

Placynthium nigrum (Hudson) Gray Crustose

PORPIDIA

Porpidia cinereoatra (Ach.) Hertel & Knoph Crustose

PUNCTELIA

Punctelia subrudecta (Nyl.) Krog Foliose

PSOROMA

Psoroma hypnorum (Vahl.) Gray Squamulose

RAMALINA

Ramalina dilacerata (Hoffm.) Hoffm. Fruticose

Ramalina fastigiata (Pers.) Ach. Fruticose

Ramalina obtusata (Arnold) Bitter Fruticose

Ramalina pollinaria (Westr.) Ach. Fruticose

RHIZOCARPON

Rhizocarpon badioatrum (Flörke ex Sprengel) Th. Fr.

Rhizocarpon copelandii (Körber) Th.Fr. Crustose

Rhizocarpon disporum (Nägeli ex Hepp) Müll. Arg. Crustose

RHIZOPLACA

Rhizoplaca chrysoleuca (Sm.) Zopf Foliose

Rhizoplaca melanophthalma (DC.) Leuckert & Poelt Foliose

RINODINA

Rinodina austroborealis Scheard Crustose

Rinodina colobina (Ach.) Th. Fr. Crustose

Rinodina freyi H. Magn. Crustose

Rinodina metaboliza Vainio Crustose

Rinodina populicola H. Magn. Crustose

Rinodina sibirica H. Magn. Crustose

SARCOGYNE

Sarcogyne regularis Körber Crustose

SILOBIA

Silobia smaragdula (Wahlenb.) M. Westbr. Crustose

SOLORINA

Solorina saccata (L.) Ach. Foliose

STAUROTHELE

Staurothele drummondii (Tuck.) Tuck. Crustose

Staurothele fissa (Taylor) Zwackh Crustose

STEREOCAULON

Stereocaulon paschale (L.) Hoffm. Fruticose

Stereocaulon saxatile H. Magn. Fruticose

Stereocaulon tomentosum Fr. Fruticose

STRANGOSPORA

Strangospora microhaema (Norman) R. Anderson Crustose

TRAPELIOPSIS

Trapeliopsis flexuosa (Fr.) Coppins & James Crustose

Trapeliopsis granulosa (Hoffm.) Lumbsch Crustose

TUCKERMANELLA

Tuckermanella fendleri (Nyl.) Essl. Fruticose

TUCKERMANNOPSIS

Tuckermannopsis americana (Sprengel) Hale Fruticose

Tuckermannopsis chlorophylla (Willd.) Hale Fruticose

Tuckermannopsis sepincola (Ehrh.) Hale Fruticose

UMBILICARIA

Umbilicaria americana Poelt & T.H. Nash Foliose

Umbilicaria deusta (L.) Baumg. Foliose

Umbilicaria mammulata (Ach.) Tuck. Foliose

Umbilicaria muehlenbergii (Ach.) Tuck. Foliose

Umbilicaria torrefacta (Lightf.) Schrader Foliose

USNEA

Usnea cavernosa Tuck. Fruticose

Usnea filipendula Stirton Fruticose

Usnea hirta (L.) F. H. Wigg Fruticose
Usnea lapponica Vainio Fruticose
Usnea subfloridana Stirton Fruticose
Usnea substerilis Moyka. Fruticose

VULPICIDA

Vulpicida pinastri (Scop.) J.E. Mattson & M.J. Lai Foliose

XANTHOPARMELIA

Xanthoparmelia chlorochroa (Tuck.) Hale Foliose
Xanthoparmelia tasmanica (Hook. f. & Taylor) Hale Foliose
Xanthoparmelia taractica (Kremph.) Hale Foliose

XANTHOMENDOZA

Xanthomendoza fallax (Hepp ex Arnold) Søchting Foliose
Xanthomendoza hasseana (Räsänen) Søchting, Kärnefelt & S. Kondr. Foliose

XANTHORIA

Xanthoria candelaria (L.) Th. Fr. Foliose
Xanthoria elegans (Link) Th. Fr. Foliose
Xanthoria polycarpa (Hoffm.) Rieber Foliose

XYLOGRAPHA

Xylographa parallela (Ach.:Fr.) Behlen & Desberger Crustose

Ecozone

Prairie (including Cypress Upland-Cypress Hills Interprovincial Park Ecoregion) AND GRASSLANDS NATIONAL PARK

Genus, Species Growth Form.* Denotes new parasitic-lichenicolous Fungi and ^new to the ecozone

ACAROSPORA

Acarospora americana H. Mag. (syn. *Acarospora superfusa* H, Magn) Crustose
Acarospora badiofusca (Nyl.) Th.Fr. Crustose
Acarospora cervina A. Massal. Crustose
Acarospora glaucocarpa (Ach.) Körber Crustose
Acarospora molybdina (Wahlenb) Trevisan. Crustose
^Acarospora rosulata (Th. Fr.) H. Magn Crustose
Acarospora schleicheri (Ach.) A. Massal. Crustose
^Acarospora stapfiana (Ah.) A. Massal. Crustose
Acarospora strigata (Nyl.) Jatta Crustose
Acarospora veronensis A. Massal. Crustose

AGONIMIA

Agonimia cf. vouauxii (B. de Lesd.) M. Brand & Diederich Crustose

AMANDINEA

Amandinea punctata (Hoffm.) Coppins & Scheid. Crustose

ARTHONIA

*^Arthonia epiphyscia Nyl. Parasitic
^Arthonia glebosa Tuck. Crustose
Arthonia mediella Nyl. Crustose
*^Arthonia molendoi (Heufl. ex Frauenf.) R. Sant. Parasitic
Arthonia patellulata Nyl. Crustose

ASPICILIA

Aspicilia aliena (Zahlbr.) Oxner Crustose
Aspicilia cinerea Körber Crustose
Aspicilia cf. determinate (H. Magn.) N.S. Golubk. Crustose
Aspicilia reptans (Looman) Wetmore Crustose

Aspicilia subradians (Nyl.) Hue Crustose

BACIDIA

Bacidia bagliettoana (A. Massal. & De Not.) Jatta Crustose

Bacidia circumspecta (Nyl. Ex Vanio) Malme Crustose

Bacidia hegetschweileri (Hepp.) Vain. Crustose

Bacidia vermifera (Nyl.) Th. Fr. Crustose

BAEOMYCES

Baeomyces rufus (Hudson) Rebert. Fruticose

BILIMBIA

Bilimbium sabuletorum (Schreber) Arnold Crustose

BRYORIA

Bryoria capillaris (Ach.) Brodo & D. Hawksw. Fruticose

Bryoria chalybeiformis (L.) Brodo & D. Hawksw. Fruticose

Bryoria fremontii (Tuck.) Brodo & D. Hawksw. * Fruticose

Bryoria furcellata (Fr.) Brodo & D. Hawksw. Fruticose

Bryoria fuscens (Gyelnik) Brodo & D. Hawksw. Fruticose

Bryoria glabra (Mot.) Brodo & D. Hawksw. Fruticose

BUELLIA

Buellia badia (Fr.) A. Massal. Crustose

Buellia dispersa A. Massal. Crustose

Buellia elegans Poelt Crustose

Buellia lepidastrum (Tuck.) Tuck. Crustose

CAERULEUM

Caeruleum heppii (Nägeli ex Körber) K. Knudson & L. Arcadia Crustose

CALICIUM

Calicium viride Pers. Crustose

CALOPLACA

Caloplaca arenaria (Pers.) Müll. Arg. -Crustose

Caloplaca atroalba (Tuck) Zahlbr Crustose

Caloplaca cerina (Ehrh. ex Hedwig) Th. Fr. Crustose

Caloplaca chrysophthalma Degel Crustose

Caloplaca cirrochroa (Ach.) Th. Fr. Crustose

Caloplaca citrina (Hoff.) Th. Fr. Crustose

Caloplaca crenulatella (Nyl.) H. Olivier s. lat.

Caloplaca decpiens (Arnold) Blomb. & Forsell Crustose

*Caloplaca epithallina Lynge, Parasitic

Caloplaca flavorubescens (Hudson) J. R. Laundon Crustose

Caloplaca flavovirescens (Wulfen) Dalla Torre & Crustose

Caloplaca fraudans (Th. Fr.) H. Olivier Crustose

Caloplaca grimmiae (Nyl.) H. Olivier Crustose

Caloplaca holocarpa (Hoffm. ex Ach.) M. Wade Crustose

Caloplaca jungermanniae (Vahl.) Th. Fr. Crustose

Caloplaca lignicola Wetmore Crustose

Caloplaca lithophila H. agn. Crustose

Caloplaca microphyllina (Tuck.) Hasse Crustose

Caloplaca pollinii (A. Massal.) Jatta Crustose

Caloplaca pratensis Wetmore Crustose

Caloplaca pyracea (Ach.) Th. Fr. Crustose

Caloplaca saxicola (Hoffm.) Nordin Lobulate

Caloplaca sideritis (Tuck.) Zahlbr. Crustose

Caloplaca sinapisperma (Lam. & DC.) Maheu & A. Gillet Crustose

Caloplaca stillicidorum (Vah.) Lynge s. lat. Crustose

Caloplaca tirolensis Zahlbr. Crustose

Caloplaca tominii (Savicz) Ahlner Crustose

Caloplaca trachyphylla (Tuck.) Zahlbr. Crustose

Caloplaca ulmorum (Fink) Fink Crustose

CANDELARIA

Candelaria concolor (Dickinson) Stein Foliose

CANDELARIELLA

Candelariella aggregate M. Westb. Crustose

Candelariella antennaria Räsänen Crustose

Candelariella aurella (Hoffm.) Zahlbr. Crustose

Candelariella citrina B. de Lesd. Crustose

Candelariella dispersa (Räsänen) Hakul Crustose

Candelariella efflorescens R.C. Harris & W.R. Buck Crustose

Candelariella rosulans (Müll. Arg.) Zahlbr. Crustose

Candelariella vitellina (Hoffm.) Müll. Arg. Crustose

CATAPYRENIUM

Catapyrenium cinereum (Pers.) Körber Squamulose

CATILLARIA

Catillaria chalybeia (Borrer) A. Massal. Crustose

Catillaria glauconigrans (Tuck.) Hasse Crustose

Catillaria nigroclavata (Nyl.) Schuler Crustose

CERCIDOSPORA

*^Cercidospora lobothalliae Nav-Ros. & Calat., Parasitic

CETRARIA

Cetraria aculeata (Schreber) Fr. Fruticose

Cetraria arenaria Kärnefelt Fruticose

Cetraria cf. arida Owe-Larss.-Fruticose

Cetraria ericetorum Opiz subsp. ericetorum Fruticose

Cetraria islandica (L.) Ach. subsp. islandica Fruticose

CIRCINARIA

Circinnaria cf. arida Owe-Larss, A. Nordin & Tibell Crustose

Circinnaria contorta (Hoffm.) A. Nordin, S. Savic & Tibell (syn. *Aspicilia contorta*)-Crustose

Circinaria hispida (Mereschk.) A. Nordin, S. Savic & Tibell Crustose

Circinaria calcarea (L.) A. Nordin, S. Savic & Tibell Crustose

CLADONIA

Cladonia arbuscula subsp. mitis (Sandst.) Ruoss (syn. *Cladina mitis*) Fruticose

Cladonia botrytes (K. Hagen) Willd. Fruticose

Cladonia cariosa (Ach.) Sprengel Fruticose

Cladonia cenotea (Ach.) Schaerer Fruticose

Cladonia cervicornis subsp. verticillata (Hoffm.) Ahti Fruticose

Cladonia chlorophaea (Flörke ex Sommerf) Sprengel Fruticose

Cladonia coniocraea (Flörke) Sprengel Fruticose

Cladonia cornuta (L.) Hoffm. subsp. cornuta Fruticose

Cladonia crispata (Ach.) Flotow var. crispata Fruticose

Cladonia cistatella Tuck. Fruticose

Cladonia decorticata (Flörke) Sprengel Fruticose

Cladonia deformis (L.) Hoffm. Fruticose

Cladonia fimbriata (L.) Fr. Fruticose

Cladonia furcata (Hudson) Schrader Fruticose

Cladonia glauca Flörke Fruticose

Cladonia gracilis (L.) Willd. subsp. gracilis Fruticose

Cladonia gracilis (L.) Willd subsp. Turbinate (Ach.) Ahti Fruticose

Cladonia macilenta Hoffm. Fruticose

Cladonia macilenta var. bacillaris Genth.)Schaerer Fruticose

Cladonia macrophyllodes Nyl. Fruticose

Cladonia multiformis G. Merr. Fruticose

Cladonia phyllophora Hoffm. Fruticose

Cladonia pleurota (Flörke) Schaerer Fruticose

Cladonia pocillum (Ach.) Grognot Fruticose

Cladonia pyxidata (L.) Hoffm. Fruticose

Cladonia ramulosa (With.) J. R. Laundon Fruticose
 Cladonia rangiferina (L.) F.H. Wigg. (syn. *Cladina rangiferina*) Fruticose
 Cladonia rei Schaerer Fruticose
 Cladonia robbinsii A. Evans Fruticose
 Cladonia subcariosa Nyl. Fruticose = Cladonia polycarpia G. Merr
 Cladonia subcariosa Nyl. * Fruticose = Cladonia polycarpoides Nyl.
 Cladonia symphycarpa (Flörke) Fr. Fruticose
 Cladonia squamosa Hoffm. Fruticose
 Cladonia subulata (L.) F.H. Wigg. Fruticose
 Cladonia symphycarpa (Flörke) Fr. Fruticose
 Cladonia turgida Hoffm. Fruticose
 Cladonia uncialis (L.) F.H. Wigg. Fruticose
CLIOSTOMUM
 Cliostomum griffithii (Sm.) Coppins Crustose
COLLEMA
 Collema bachmanianum (Fink) Degel Foliose
 Collema fuscovirens (With.) J. R. Laundon Foliose
 Collema tenax (Sw.) Ach. Foliose
 Collema undulatum Laurer ex Flotow Foliose
CYPHELIUM
 Cyphelium notarisii (Tul.) Blom. & Forss. Crustose
 Cyphelium tigillare (Ach.) Ach. Crustose
DERMATOCARPON
 Dermatocarpum miniatum (L.) W. Mann Foliose
DIMELAENA
 Dimelaena oreina (Ach.) Norman Crustose
DIPLOSCHISTES
 Diploschistes actinostomus (Ach.) Zahlbr. Crustose
 Diploschistes gypsaceus (Ach.) Zahlbr. Crustose
 Diploschistes muscorum (Scop.) R. Sant. Crustose
 Diploschistes scruposus (Schreber) Norman Crustose
DIPLOTOMMA
 Diplotomma alboatrum (Hoffm.) Flotow Fruticose
 Diplotomma venustum (Körber) Körber Fruticose
ENCHYLIUM
 Enchylium coccophorum (Tuck.) Otálora, P.M. Jørg & Wedin (syn. *Collema coccophorum*)
 Foliose
ENDOCOCCUS
 *^Endococcus oreinae Hafellner, Parasitic
ENDOCARPON
 Endocarpum loscosii Müll. Arg. Squamulose
 Endocarpum pusillum Hedwig Squamulose
EVERNIA
 Evernia mesomorpha Nyl. Fruticose
FLAVOPUNCTELIA
 Flavopunctelia flaventior (Stirton) Hale Foliose
 Flavopunctelia soledica (Nyl.) Hale Foliose
FULGENSIA
 Fulgensia bracteata (Hoffm.) Räsänen Squamulose
 Fulgensia fulgens (Sw.) Elenkin Foliose
 Fulgensia subbracteata (Nyl.) Poelt Foliose
FUSCOPANNARIA
 Fuscopannaria praetermissa (Nyl.) P.M.Jorg Squamulose
GLYPHOLECIA
 Glypholecia scabra (Pers.) Müll. Arg. Crustose

HEPPIA

Heppia leptopholis Squamulose
Heppia lutosa (Ach.) Nyl. Squamulose

HERTELIDIA

Hertelidia botryosa (Fr.) Printzen & Kantvilla Crustose

HETEROPLACIDIUM

Heteroplacidium compactum (A. Massal.) Gueidan & Cl. Roux (syn. *Verricaria compacta*)
rustose

Heteroplacidium zamenhofianum (Clauzade & Cl. Roux) Cl. Roux (syn. *Verrucaria zamenhofiana*) Crustose

HYPOGYMNA

Hypogymnia austerodes (Nyl.) Räsänen Foliose

Hypogymnia physodes (L.) Nyl. Foliose

ICMADOPHILA

Icmadophila ericetorum (L.) Zahlbr. Crustose

INTRALICHEN

*[^]Christiansenii (D. Hawks.) D. Hawksw. & M.S. Cole, Parasitic

KAERNEFELTIA

Kaernefeltia merrillii (Du Rietz) Thell & Goward Fruticose

LECANACTIS

Lecanactis abietina (Ach.) Körber Crustose

LECANIA

Lecania cyrtella (Ach.) Th. Fr. Crustose

Lecania erysibe (Ach.) Mudd Crustose

Lecania fuscella (Scheerer) Körber Crustose

LECANORA

Lecanora albellula Nyl. Crustose

Lecanora albopruinosa Looman Crustose

Lecanora allophana Nyl. Crustose

Lecanora argopholis (Ach.) Ach. Crustose

Lecanora beringii (beringii) Nyl. Crustose

Lecanora cadubriae (A. Massal.) Hedl. Crustose

Lecanora cenisia Ach. Crustose

Lecanora chlarotera Nyl. Crustose

Lecanora circumborealis Brodo & Vitik Crustose

Lecanora contractula Nyl. Crustose

Lecanora crenulata Hook. Crustose

Lecanora dispersa (Pers.) Sommerf. Crustose

Lecanora epibryon (Ach.) Ach. Crustose

Lecanora flowersiana H. Magn. Crustose

Lecanora garovaglii (Körber) Zahlbr. Crustose

Lecanora hagenii (Ach.) Ach. Crustose

Lecanora hypoptoides (Nyl.) Nyl. Crustose

Lecanora impudens Degel Crustose

Lecanora muralis (Schreber) Rabenh. Crustose

Lecanora polytropa (Hoffm.) Rabenh. Crustose

Lecanora rupicola (L.) Zahlbr. Crustose

Lecanora rugosella Zahlbr. rustose

Lecanora scotopholis (Tuck.) Timdal Crustose

Lecanora symmicta (Ach.) Ach. Crustose

Lecanora valesiaca (Mull. Arg.) Stiznb. Crustose

Lecanora zosteriae (Ach.) Nyl. Crustose

LECIDEA

Lecidea atrobrunnea (Lam. & DC.) Schaerer Crustose

Lecidea auriculata Th. Fr. subsp. auriculata Crustose

Lecidea diducens Nyl. Crustose

Lecidea laboriosa Müll. Arg. Crustose
Lecidea lapicida (Ach.) Ach. var. lapicida Crustose
Lecidea lithophila (Ach.) Ach. Crustose
Lecidea nylanderii (Anzi) Th. Fr. Crustose
Lecidea tessellata Flörke Crustose

LECIDELLA

Lecidella carpathica Körber Crustose
Lecidella elaeochroma (Ach.) M. Choisy Crustose
Lecidella euphorea (Flörke) Hertel Crustose
Lecidella patavina (A. Massal.) Knopf & Leuckert Crustose
Lecidella stigmataea (Ach.) Hertel & Leuckert Crustose
Lecidella wulfenii (Hepp) Körber Crustose

LEPRARIA

Lepraria neglecta (Nyl.) Erichsen Crustose

LEPTOGIUM

Leptogium lichenoides (L.) Zahlbr. Crustose
Leptogium nanum Herre Crustose
Leptogium tenuissimum (Dickson) Körber Foliose

LETHARIA

Letharia vulpina (L.) Hue Fruticose

LICHENOCOMIUM

*^Lichenocomium lichenicola (P. Karst.) Petrak & H. Sydow, Parasitic

LICHENODIPLIS

*^Lichenodiplis lecanorae (Vonaux) Dyko & D. Hawksw., Parasitic

LICHENOSTIGMA

*^Lichenostigma cosmopolites Hafellner & Calatayud, Parasitic

LOBOTHALLIA

Lobothallia alphoplaca (Wahlenb.) Hafellner Crustose
Lobothallia praeradiosa (Nyl.) Hafellner Crustose

MEGALARIA

Megalaria laureri (Hepp. ex Th.Fr.) Hafellner Crustose

MEGASPORA

Megaspora verrucosa (Ach.) Hafellner & V. Wirth Crustose

MELANELIA

Melanelia disjuncta (Erichsen) Essl. Foliose

MELANELIXIA

Melanelixia albertana (Ahti) O. Blanco et al. Foliose
Melanelixia subargentifera (Nyl.) O. Blanco et al. Foliose

MELANOHALEA

Melanohalea elegantula (Zahlbr.) O. Blanco et al. Foliose
Melanohalea exasperata (De Not.) O. Blanco et al. Foliose
Melanohalea exasperatula (Nyl.) O. Blanco et al. Foliose
Melanohalea infumata (Nyl.) O. Blanco et al. Foliose
Melanohalea olivacea (L.) O. Blanco et al. Foliose
Melanohalea septentrionalis (Lynge) O. Blanco et al. Foliose
Melanohalea subolivacea (Nyl.) O. Blanco et al. Foliose

MICAREA

Micarea incrassata Hedl. Crustose
Micarea melaena (Nyl.) Hedl. Crustose
Micarea misella (Nyl.) Hedl. Crustose

MIRIQUIDIA

Miriquidia scotopholis (Tuck.) B.D. Ryan & Timdal Crustose

MONTANELIA

Montanelia tominii (Oxner) Divakar, A. Crespo, Wedin & Essl. (syn. *Melanelia tominii*) Crustose

MUELLERELLA

*^Muellerella erratica (A. Massal.) Hafellner & V. Joh (syn. *Muellerella pygmaea* var. *athalina*), Parasitic

MYCOBILIMBIA

Mycobilimbia berengeriana (A. Massal.) Hafellner & V. Crustose

OCHROLECHIA

Ochrolechia upsaliensis (L.) A. Massal. Crustose

PARMELIA

Parmelia sulcata Taylor Foliose

PARMELIOPSIS

Parmeliopsis ambigua (Wulfen) Nyl. Foliose

Parmeliopsis hyperopta (Ach.) Arnold Foliose

PELTULA

Peltula patellata (Baggl.) Swinscow & Krog Squamulose

PELTIGERA

Peltigera canina (L.) Willd. Foliose

Peltigera didactyla (With.) J. R. Laundon Foliose

Peltigera evansiana Gyelnik Foliose

Peltigera lepidophora (Nyl. ex Vanio) Bitter Foliose

Peltigera leucophlebia Nyl.) Gyelnik

Peltigera neckeri Hepp. ex Müll.) Arg. Foliose

Peltigera polydactylon (Necker) Hoffm. Foliose

Peltigera ponojensis Gyelnik Foliose

Peltigera rufescens (Weiss) Humb. Foliose

Peltigera venosa (L.) Hoffm. Foliose

PHAEOPHYSCIA

Phaeophyscia ciliata (Hoffm.) Moberg Foliose

Phaeophyscia constipata (Norrlin. & Nyl.) Moberg Foliose

Phaeophyscia hirsuta (Meresschk) Essel. Foliose

Phaeophyscia nigricans (Flörke) Moberg Foliose

Phaeophyscia orbicularis (Necker) Moberg Foliose

Phaeophyscia sciastra (Ach.) Moberg Foliose

PHAEORRHIZA

Phaeorrhiza nimbosa (Fr.) H. Mayrhofer. & Poelt Crustose

Phaeorrhiza sareptana (Tomin) H. Mayrhofer. & Poelt Squamulose

PHOMA

*^Phoma caloplacae D. Hawksw., Parasitic

*^Phoma xanthomendozae Diederich & Freebury, Parasitic

PHYSICIA

Physcia adscendens (Fr.) H. Oliver Foliose

Physcia aipolia (Ehrh. ex Humb.) Fűrnr. var. aipolia Foliose

Physcia alnophila (Vain.) Loht, Moberg, Myllis * Tehler Crustose

Physcia caesia (Hoffm.) Fűrnr. Foliose

Physcia dimidiate (Arnold) Nyl. Crustose

Physcia dubia (Hoffm.) Lettau Foliose

Physcia leptalea (Ach.) DC. Foliose

Physcia stellaris (L.) Nyl. Foliose

Physcia tenella (Scop.) DC. Foliose

PHYSICIELLA

Physciella chloantha (Ach.) Essl. Crustose

PHYSCONIA

Physconia enteroxantha (Nyl.) Poelt Foliose

Physconia muscigena (Ach.) Poelt Foliose

Physconia perisidiosa (Erichsen) Moberg Foliose

PLACIDIUM

Placidium californicum Breuss Squamulose

Placidium lachneum (Ach.) Breuss Sub-Squamulose

Placidium lacinulatum (Ach.) Breuss Squamulose

Placidium squamulosum (Ach.) Breuss Squamulose

PLACOPYRENIUM

Placopyrenium fuscillum (Turner) Gueidan & C.L. Roux Crustose
Placopyrenium lecideiodes (A. Massal.) Gueidan & C.L. Roux Crustose

PLACYNTHIUM

Placynthium nigrum (Hudson) Gray Crustose

PLEOPSIDIUM

Pleopsidium chlorophanum (Wahlenb.) Zopf. Crustose
Pleopsidium flavum (Bellardi) Körber Crustose

POLYCOCCUM

*^Polycoccum clauzadei Nav.-Ros. & Cl. Roux, Parasitic

POLYSPORINA

*^Polysporina pusilla (Anzi) M. Steiner ex Kantvilas, Parasitic
Polysporina simplex (Davies) Vezda Crustose
*^Polysporina subfuscescens (Nyl.) K. Knudson & Kocourk.-Parasitic
Polysporina ureolata (Anzi) Brodo-Crustose

PORPIDIA

Porpidia cinereoatra (Ach.) Hertel & Knoph Crustose
Porpidia crustulata (Ach.) Hertel & Knoph-Crustose

PROTOPARMELIA

Protoparmelia badia (Hoffm.) Hafellner Crustose

PSORA

Psora cerebriformis W.A. Weber Squamulose
Psora decipiens (Hedw.) Hoffm. Ach. Squamulose
Psora russellii (Tuck.) A. Schneider Squamulose
Psora tuckermanii R.A. Anderson ex Timdal-Squamulose

PSOROMA

Psoroma hypnorum (Vahl.) Gray Squamulose

PSOROTICHIA

Psorotichia nigra Magn. Crustose

RAMALINA

Ramalina dilacerata (Hoffm.) Hoffm. Fruticose
Ramalina fastigiata (Pers.) Ach. Fruticose
Ramalina fraxinea (L.) Ach. Fruticose
Ramalina obtusata (Arnold) Bitter Fruticose
Ramalina pollinaria (Westr.) Ach. Fruticose
Ramalina polymorpha (Lilj.) Ach. Fruticose
Ramalina sinensis Jatta Fruticose

RHIZOCARPON

Rhizocarpon cookeanum H. Magn. Crustose
Rhizocarpon disporum (Nägeli ex Hepp) Müll. Arg. Crustose
Rhizocarpon geminatum Körber Crustose
Rhizocarpon geographicum (L.) DC. Crustose
Rhizocarpon grande (Flörke ex Flotow) Arnold Crustose
*Rhizocarpon renneri Poelt-Parasitic, Crustose
Rhizocarpon superficiale (Schaerer) Vainio Crustose
*Rhizocarpon viridiatrum (Wulfen) Körb. Parasitic, Crustose

RHIZOPLACA

Rhizoplaca chrysoleuca (Sm.) Zopf Foliose
Rhizoplaca haydenii (Tuck.) W. A. Weber Foliose
Rhizoplaca melanophthalma (DC.) Leuckert & Poelt Foliose
Rhizoplaca peltata (Ramond) Leuckert & Poelt Foliose

RINODINA

Rinodina bischoffii (Hepp.) A. Massal.-Crustose
Rinodina conradii Körber-Crustose
Rinodina freyi H. Magn. Crustose
Rinodina juniperina Sheard-Crustose

Rinodina lobulata H. Mayrhofer & Sheard-Crustose
Rinodina luridata H. Mayrhofer & Sheard-Crustose
Rinodina metaboliza Vainio Crustose
Rinodina terrestris Tomin Crustose
Rinodina parasitica H. Mayrhofer & Poelt-Crustose
Rinodina pyrina (Ach.) Arnold Crustose
Rinodina straussii J. Steiner Crustose
Rinodina terrestrid Tomin Crustose
Rinodina venostana Buschardt & H. Mayerhofer Crustose

ROPALOSPORA

Ropalospora chlorantha (Tuck.) S. Ekman Crustose

SARCOGYNE

Sarcogyne clavus (DC.) Kremp. Crustose
Sarcogyne hypophaea (Nyl.) Arn. (syn. *S. privigna*) Crustose
Sarcogyne magnussonii B. de Lesd. Crustose
Sarcogyne regularis Körber Crustose
Sarcogyne similis H. Magn. Crustose

SCYTINUM

Scytinium tenuissimum (Dickson) Otálora, P.M. Jørg & Wedin Crustose

SPHAERELLOTHECIUM Zopf

*^Sphaerellothecium cladoniae (Allstrup & Zhurb.) Hafellner-Parasitic

SPAEROPHORUS

Sphaerophorus fragilis (L.) Pers. Fruticose

SPORASTATIA

Sporastatia testudinea (Ach.) A. Massal. Crustose

SQUAMARINA

Squamarina cartilaginea (With.) P. James Squamulose
Squamarina lentigera (Weber) Poelt Squamulose

STAUROTHELE

Staurothele areolata (Ach.) Lettau Crustose
Staurothele drummondii (Tuck.) Tuck. Crustose
Staurothele elenkinii Oxner Crustose
Staurothele monicae (Zahlbr.) Wetmore-Crustose

STEREOCAULON

Stereocaulon tomentosum Fr. Fruticose

STIGMIDIUM Trevisan

*^Stigmidium squamariae (B. de Lesd.) Cl Roux & Triebel-Parasitic

TAENIOLELLA S. Hughes

*^Taeniolella rolffii Diederich & Zhurb.-Parasitic

TETRAMELAS

Tetramelas papillatus (Sommerf.) Kalib. Crustose
*^Tetramelus pulverulentus (Anzi) A. Nordin & Tibell-(syn. *Buellia pulverulenta*)-Parasitic
Tetramelas triphragmoides (Anzi), A. Nordin & Thell

THELENELLA

Thelenella muscorum (Fries.) Vainio var. muscorum Crustose

TONINIA

Toninia sedifolia (Scop.) Timdal Crustose
Toninia tristis (Th. Fr.) Th. Fr. Squamulose subsp. tristes
Toninia tristes subsp. asia-centralis (H. Magn.) Timdal Crustose

TRAPELIOPSIS

Trapeliopsis flexuosa (Fr.) Coppins & James Crustose
Trapeliopsis granulosa (Hoffm.) Lumbsch Crustose

TREMELLA

*^Tremella christiansenii Diederich-Parasitic

TUCKERMANNOPSIS

Tuckermannopsis americana (Sprengel) Hale Fruticose

Tuckermannopsis chlorophylla (Willd.) Hale Fruticose

Tuckermannopsis sepincola (Ehrh.) Hale Fruticose

UMBILICARIA

Umbilicaria hyperborea (Ach.) Hoffm. var. hyperborean Foliose

Umbilicaria virginis Schaerer Foliose

USNEA

Usnea hirta (L.) F. H. Wigg Fruticose

Usnea lapponica Vainio Fruticose

Usnea scabiosa Motyka. Fruticose

Usnea subfloridana Stirton Fruticose

Usnea substerilis Motyka. Fruticose

VERRUCARIA

^Verrucaria bernaicensis Malbr. Crustose

^Verrucaria fusca Pers.-Crustose

Verrucaria glaucovirens Grumman-Crustose

^Verrucaria inficiens Breuss-Crustose

Verrucaria muralis Ach.-Crustose

^Verrucaria othmarii K. Knudson & I. Arcadia (syn. *Verrucaria rupicola*)-Crustose

^Verrucaria sphaerospora Anzi-Crustose

ZWAKHIOMYCES

*^Zwakhioomyces coepulomus (Norman) Grube & R. Sant-Parasitic

Lichens of Saskatchewan, Canada –GENUS and SPECIES

Grouped by Growth Form, Sorted by Latin Name, and showing Ecozone

*List compiled by Bernard De Vries and Robert A. Wright * Denote parasitic-lichenicolous Fungi. ^ Denotes new additions to crustose lichens*

Web Listing maintained by Bernrd de Vries Updated June 30, 2015

Growth Form Ecozone(s)

Crustose

BAEOMYCES

Baeomyces carneus Flörke Taiga Shield

Baeomyces rufus (Hudson) Rebent. Taiga Shield, Boreal Plain, Prairie

ACAROSPORA

Acarospora americana H. Magn. (syn. *Acarospora superfusa*) Prairie

Acarospora badiofusca (Nyl.) Th. Fr. Taiga Shield

Acarospora cervina A. Massal. Prairie

Acarospora contigua H. Magn. Prairie

Acarospora fuscata (Schrader) Arnold Taiga Shield

Acarospora glaucocarpa (Ach.) Körber Taiga Shield, Boreal Shield, Boreal Plain, Prairie

Acarospora molybdina (Wahlenb.) Trevisan Prairie

Acarospora rosulata(Th. Fr.) H. Magn. Prairie

Acarospora schleicheri (Ach.) A. Massal. Prairie

Acarospora stapfiana (Müll. Arg.) Hue Prairie

Acarospora strigata (Nyl.) Jatta Prairie

Acarospora veronensis A. Massal. Prairie

AGONIMIA

Agonimia vouauxii(B. de Lesad.) M. Brand & Diederich Prairie

AMANDINEA

Amandinea dakotensis (H. Magn.) P. May & Sheard Boreal Plain

Amandinea punctata (Hoffm.) Coppins & Scheid. Taiga Shield, Boreal Shield, Boreal Plain, Prairie

ARTHONIA

Arthonia glebose Tuck. Prairie
Arthonia mediella Nyl. Prairie
Arthonia patellulata Nyl. Boreal Plain, Prairie
Arthonia radiata (Pers.) Ach. Boreal Plain
Arthonia spadicea Leighton Taiga Shield
Arthonia vinosa Leighton Boreal Plain

ARTHROSPORUM

Arthrosporium populorum A. Massal. Boreal Plain

ASPERICILIA

Aspicilia aliena (Zahlbr.) Oxner Prairie
Aspicilia caesiocinerea (Nyl. ex Malbr.) Arnold Boreal Shield, Boreal Plain
Aspicilia cinerea Körber Taiga Shield. Boreal Shield, Boreal Plain, Prairie
Aspicilia determinate (H. Magn.) N.S. Golubk. Prairie
Aspicilia reptans (Looman) Wetmore Prairie
Aspicilia subradians (Nyl.) Hue Prairie
Aspicilia supertegens Arnold Boreal Plain
Aspicilia verrucigera Hue Crustose Not stipulated

BACIDIA

Bacidia bagliettoana (A. Massal.& De Not.) Jatta Prairie
Bacidia circumspecta (Nyl. ex Vainio) Malme Prairie
Bacidia hegetschweileri (Hepp.) Vain. Prairie
Bacidia igniarii (Nyl.) Oxner Boreal Plain, Boreal Shield
Bacidia vermifera (Nyl.) Th.Fr. Prairie

BIATORA

Biatora cuprea (Sommerf.) Fr. Taiga Shield
Biatora globulosa (Flörke) Fr. Boreal Plain
Biatora vernalis (L.) Fr. Taiga Shield

BILIMBIA

Bilimbium sabuletorum (Schreber) Arnold Taiga Shield, Boreal Shield

BUELLIA

Buellia badiata (Fr.) A. Massal. Prairie
Buellia disciformis (Fr.) Mudd Taiga Shield, Boreal Shield, Boreal Plain
Buellia dispersa A. Massal. Prairie
Buellia elegans Poelt Prairie
Buellia lepidastrum (Tuck.) Tuck. Prairie
Buellia retrovertens Tuck. Prairie
Buellia spuria (Schaerer) Anzi Boreal Shield

CAERULEUM

Caeruleum heppii (Nägeli ex Körber) K. Knudson & L. Arcadia Prairie

CALICIUM

Calicium abietinum Pers. Boreal Plain
Calicium pusillum Flörke Boreal Plain
Calicium trabinellum (Ach.) Ach. Taiga Shield, Boreal Shield
Calicium viride Pers. Boreal Plain, Prairie

CALOPLACA

^Caloplaca arenaria (Pers.) Müll Ar.g. Prairie
Caloplaca atroalba (Tuck) Zahlbr Prairie
Caloplaca cerina (Ehrh. ex Hedwig) Th. Fr. Taiga Shield, Boreal Shield, Boreal Plain, Prairie
Caloplaca cirrochroa (Ach.) Th. Fr. Prairie
^Caloplaca chrysophthalma Degel. Prairie
^Caloplaca citrina (Hoffm.) Th. Fr. Prairie
Caloplaca crfenuolata (Nyl.) H. Olivier s. lat. Prairie
^Caloplaca deipiens (Arnold) Blomb. & Forsell Prairie

Caloplaca flavorubescens (Hudson) J. R. Laundon Prairie
 Caloplaca flavovirescens (Wulfen) Dalla Torre & Sarnth. Taiga Shield, Boreal Shield,
 Boreal Plain, Prairie
 Caloplaca fraudans (Th. Fr.) H. Olivier Prairie
 *^Caloplaca grimmiae (Nyl.) H. Plivier, Prairie
 Caloplaca holocarpa (Hoffm. ex Ach.) M. Wade Taiga Shield, Boreal Shield, Boreal Plain, Prairie
 Caloplaca jungermanniae (Vahl.) Th. Fr. Prairie
 *^Caloplaca lignicola Wetmore, Prairie
 Caloplaca lithophila H. Magn. Prairie
 ^Caloplaca microphyllina (Tuck.) Hasse Prairie
 Caloplaca pollinii (A. Massal.) Jatta Prairie
 ^Caloplaca pratensis Wetmore Prairie
 Caloplaca pyracea (Ach.) Th. Fr. Prairie
 Caloplaca sideritis (Tuck.) Zahlbr. Prairie
 Caloplaca sinapisperma (Lam. & DC.) Maheu & A. Gillet Prairie
 Caloplaca stillicidorum (Vahl.) Lynges s/ lat. Prairie
 Caloplaca tirolensis Zahlbr. Prairie
 Caloplaca tominii (Savicz) Ahlner Prairie
 Caloplaca trachyphylla (Tuck.) Zahlbr. Prairie
 Caloplaca ulmorum (Fink) Fink Taiga Shield, Boreal Shield, Prairie

CANDELARIA

Candelaria concolor (Dickson) Stein Taiga Shield, Boreal Shield, Boreal Plain, Prairie

CANDELARIELLA

^Candelariella aggregate M, Westb. Prairie
 ^Candelariella antennaria Räsänen Prairie
 Candelariella aurella (Hoffm.) Zahlbr. Taiga Shield, Boreal Shield, Boreal Plain, Prairie
 Candelariella citrina B. de Lesd. Prairie
 Candelariella dispersa (Räsänen) Hakul Boreal Plain, Prairie
 ^Candelariella efflorescens R.C. Harris & W.R. Buck Prairie
 ^Candelariella rosulans (Müll. Arg.) Zahlbr. Prairie
 Candelariella vitellina (Hoffm.) Müll. Arg. Taiga Shield, Boreal Shield, Boreal Plain, Prairie

CATAPYRENIUM

Catapyrenium cinereum (Pers.) Körber (syn. *Dermatocarpon cinereum*, *D. hepaticum*) Prairie

CATILLARIA

Catillaria chalybeia (Borrer) A. Massal. Prairie
 Catillaria glauconigrans (Tuck.) Hasse Boreal Plain Prairie
 Catillaria nigroclavata (Nyl.) Schuler Prairie

CATINARIA

Catinarina atropurpurea (Schaerer) Vezda & Poelt Boreal Plain

CHAENOTHECA

Chaenotheca brunneola (Ach.) Müll. Arg. Boreal Plain
 Chaenotheca chrysocephala (Turner ex Ach.) Th. Fr. Taiga Shield, Boreal Shield, Boreal Plain

CHENOTHECOPSIS

Chaenothecopsis pusilla (Ach.) Alb. Schmidt Boreal Plain

CIRCINARIA

Circinaria arida Owe-Larss. Prairie
 Circinaria caesiocinerea (Nyl. ex Muhlbr.) A. Nordin, S., Savic & Tibell Boreal Plain, Prairie
 Circinaria calcarea (L. A. Nordin, S. Savic & Tibell Prairie
 Circinaria contorta (Hoffm.) A. Nordin, S. Savic & Tibell (syn. *Aspicilia contorta*) Prairie
 Circinaria hispida (Mereschk.) A. Nordin, S. Savic & Tibell (syn. *Aspicilia hispida*) Prairie

CLIOSTOMUM

Cliostomum griffithii (Sm.) Coppins Prairie

COENOGONIUM

Coenogonium pineti (Ach.) & Lumbsch Taiga Shield, Boreal Shield, Boreal Plain, Prairie

CYPHELIUM

Cyphelium notarissii (Tul.) Blom. & Forss. Boreal Plain, Prairie

Cyphelium tigillare (Ach.) Ach. Taiga Shield, Boreal Plain, Prairie

DIMELAENA

Dimelaena oreina (Ach.) Norman Boreal Shield, Boreal Shield, Boreal Plain, Prairie

DIIPLOSCHISTES

Diploschistes actinostomus (Ach.) Zahlbr. Prairie

Diploschistes gypsaceus (Ach.) Zahlbr. Prairie

Diploschistes muscorum (Scop.) R. Sant. Taiga Shield, Boreal Shield, Boreal Plain, Prairie

Diploschistes scruposus (Schreber) Norman Boreal Shield, Boreal Plain, Prairie

DIPLATOMMA

^Diplotomma venustum (Körber) Körber Prairie

ENDOCARPON

^Endocarpon loscosii Müll. Arg. Prairie

Endocarpon pusillum Hedwig Prairie

FULGENSIA

Fulgensia bracteata (Hoffm.) Räsänen Prairie

Fulgensia fulgens (Sw.) Elenkin Prairie

^Fulgensia subbracteana (Nyl.) Poelt Prairie

GLYPHOLECIA

Glypholecia scabra (Pers.) Müll. Arg. Prairie

HERTELIDEA

Hertelidea botryosa (Fr.) Printzen & Kantvillas Boreal Plain, Prairie

HETEROPLACIDIUM

^Heteroplacidium compactum (A. Massal.) Gueidan, & Cl. Roux (syn. *Verrucaria compacta*)
Prairie

^Heteroplacidium zamenhofianum (Clauzade & Cl. Roux) Cl. Roux (syn. *Verrucaria zamenhofiana*) Prairie

ICMADOPHILA

Icmadophila ericetorum (L.) Zahlbr. Taiga Shield, Boreal Shield, Boreal Plain, Prairie

IONAPSIS

Ionaspis lacustris (With.) Lutzoni Taiga Shield

LECANACTIS

Lecanactis abietina (Ach.) Körber Prairie

LECANIA

Lecania cyrtella (Ach.) Th. Fr. Prairie

Lecania dubitans (Nyl.) A.L. Sm. Boreal Plain

Lecania erysibe (Ach.) Mudd Prairie

Lecania fuscella (Schearer) Körber Prairie

LECANORA

Lecanora abellula Nyl. Taiga Shield, Boreal Shield, Boreal Plain, Prairie

Lecanora albopruinosa Looman Prairie

Lecanora allophana Nyl. Prairie

Lecanora argentata (Ach.) Malme Boreal Plain

Lecanora argentea Oksner & Volkova Boreal Plain

Lecanora argopholis (Ach.) Ach. Prairie

Lecanora beringii (beringii) Nyl. Prairie

Lecanora cadubriae (A. Massal.) Hedl. Boreal Shield, Boreal Plain, Prairie

Lecanora cenisia Ach. Taiga Shield, Boreal Shield, Boreal Plain, Prairie

Lecanora chlarotera Nyl. Prairie

Lecanora circumborealis Brodo & Vitik Taiga Shield, Boreal Plain, Prairie

Lecanora contractula Nyl. Prairie

Lecanora crenulata Hook. Prairie

Lecanora dispersa (Pers.) Sommerf. Taiga Shield, Boreal Shield, Boreal Plain, Prairie

Lecanora epibryon (Ach.) Ach. Taiga Shield, Prairie

Lecanora flowersiana H. Magn. Prairie

Lecanora garovaglii (Körber) Zahlbr. Prairie

Lecanora geophila (Th. Fr.) Poelt Taiga Shield

Lecanora hagenii (Ach.) Ach. Boreal Plain, Prairie

Lecanora hypoptoides (Nyl.) Nyl. Boreal Plain, Prairie
Lecanora impudens Degel. Prairie
Lecanora intricata (Ach.) Ach. Boreal Plain
Lecanora muralis (Schreber) Rabenh. Prairie
Lecanora polytropa (Hoffm.) Rabenh. Taiga Shield, Boreal Shield, Boreal Plain, Prairie
Lecanora populicola (DC.) Duby Boreal Plain
Lecanora pulicaris (Pers.) Ach. Boreal Plain
Lecanora rugosella Zahlbr. Prairie
Lecanora rupicola (L.) Zahlbr. Taiga Shield, Boreal Shield, Prairie
Lecanora sambuci (Pers.) Nyl. Boreal Shield, Boreal Plain
Lecanora subintricata (Nylk.) Th.Fr. Taiga Shield
Lecanora symmicta (Ach.) Ach. Taiga Shield, Boreal Shield, Boreal Plain, Prairie
^Lecanora valesiaca (Müll. Arg.) Stizenb. Prairie
Lecanora varia (Hoffm.) Ach. Boreal Plain
Lecanora zosteriae (Ach.) Nyl. Prairie

LECIDEA

^Lecidea atrobrunnea (Lam. & DC.) Schaerer Prairie
Lecidea auriculata Th. Fr. Taiga Shield, Boreal Plain, Prairie
Lecidea brachyspora (Th.Fr.) Nyl. Taiga Shield, Boreal Shield
Lecidea diducens Nyl. Prairie
Lecidea laboriosa Müll. Arg. Prairie
Lecidea lapicida (Ach.) Ach. var. lapicida Taiga Shield, Boreal Shield, Boreal Plain, Prairie
Lecidea lithophila (Ach.) Ach. Prairie
Lecidea nylanderii (Anzi) Th. Fr. Boreal Shield, Boreal Plain, Prairie
Lecidea tessellata Flörke Taiga Shield, Prairie
Lecidea turgidula Fr. Boreal Plain

LECIDELLA

Lecidella carpathica Körber Taiga Shield, Prairie
Lecidella elaeochroma (Ach.) M. Choisy Boreal Shield, Boreal Plain, Prairie
Lecidella euphorea (Flörke) Hertel Boreal Plain, Prairie
Lecidella patavina (A. Massal.) Knoph and Leuckert Taiga Shield
Lecidella stigmatea (Ach.) Hertel & Leuckert Taiga Shield, Boreal Shield, Boreal Plain, Prairie
^Lecidella wulfenii (Hepp) Körber Prairie

LEPRARIA

Lepraria neglecta (Nyl.) Erichsen (syn. Crocynia neglecta) Taiga Shield, Boreal Shield, Boreal Plain, Prairie
Lepraria membranacea (Dickson) Vainio Taiga Shield

LEPTOGIUM

Leptogium lichenoides (L.) Zahlbr. Taiga Shield
Leptogium nanum Herre Prairie

LOBOTHALLIA

Lobothallia alphoplaca (Wahlenbr.) Hafellner Prairie
^Lobothallia praeradiosa (Nyl.) Hafellner Prairie

MEGALARIA

Megalaria laureri (Hepp ex Th.Fr.) Hafellner Prairie

MEGASPORA

Megaspora verrucosa (Ach.) Hafellner & V. Wirth Prairie

MICAREA

Micarea assimilata (Nyl.) Coppins Taiga Shield
^Micarea incrassate Hedl. Prairie
^Micarea melaena (Nyl.) Hedl. Prairie
Micarea misella (Nyl.) Hedl. Prairie

MICROCALICIUM

*Microcalicium disseminatum (Ach.) Vainio Boreal Shield, Boreal Plain

MIIRIQUIDEA

Miriquidica scotopolis (Tuck.) R.D. Ryan & Timdal Prairie

MYCOBILIMBIA

Mycobilimbia berengeriana (A. Massal.) Hafellner & V. Wirth Boreal Plain, Prairie

Mycobilimbia pilularis (Körber) Hafellner & Türk Boreal Plain

Mycobilimbia tetramera (De Not.) Vitik., Ahti, Kuusinen, Lommi & T. Ulvinen ex Hafellner & Türk
Taiga Shield, Boreal Shield

MYCOBLASTUS

Mycoblastus alpinus (Fr.) Kernst. Taiga Shield

Mycoblastus sanguinarius (L) Norman Taiga Shield, Boreal Shield, Boreal Plain

MYCOCALICIUM

+*Mycocalicium subtile* (Pers.) Szatala Taiga Shield

OCHROLECHIA

Ochrolechia androgyna (Hoffm.) Arnold Taiga Shield

Ochrolechia frigida (Sw.) Lynge Taiga Shield

Ochrolechia inaequatula (Nyl.) Zahlbr. Taiga Shield, Boreal Shield

Ochrolechia upsaliensis (L.) A. Massal. Taiga Shield, Boreal Shield, Prairie

OPHIOPARMA

Ophioparma lapponica (Räsänen) Hafellner & R. W. Rogers Taiga Shield

Ophioparma ventosa (L.) Norman Taiga Shield

PHAEORRHIZA

Phaeorrhiza nimbosea (Fr.) H. Mayrhofer. & Poelt Prairie

Phaeorrhiza sareptana (Tomin) Mayrhofer & Poelt Prairie

PLACOPYRENIUM

Placopyrenium fuscillum (Turner) Gueidan & Cl. Roux (syn. *Verrucaria fuscilla*) Prairie

Placopyrenium lecidiioides (A. Massal) Gueidan & Cl. Roux. (syn. *Verrucaria lecidiioides*) Prairie

PLACYNTHIELLA

Placynthiella oligotropha (J.R. Laundon) Coppins & P. James Taiga Shield

PLACYNTHIUM

Placynthium nigrum (Hudson) Gray Boreal Plain, Prairie

PLEOPSIDIUM

Pleopsidium chlorophanum (Wahlenb.) Zopf. Prairie

Pleopsidium flavum (Bellardi) Körber Prairie

POLYSPORINA

Polysporina simplex (Davies) Vezda Prairie

^*Polysporina urceolata* (Anzi) Brodo Prairie

PORPIDIA

Porpidia cinereoatra (Ach.) Hertel & Knoph Boreal Plain, Prairie

Porpidia crustulata (Ach.) Hertel & Knoph Taiga Shield

Porpidia lowiana Gowan Taiga Shield

Porpidia macrocarpa (DC.) Hertel & A. J. Schwab Taiga Shield

Porpidia thomsonii Gowan Taiga Shield

PROTOMICAREA

Protomicarea limosa (Ach.) Hafellner Taiga Shield

PROTOPARMELIA

Protoparmelia badia (Hoffm.) Hafellner Boreal Shield, Prairie

PSILOLECHIA

Psilolechia lucida (Ach.) M. Choisey Taiga Shield

PSOROTICHIA

Psorotichia nigra Magn. Boreal Plain

RHIZOCARPON

Rhizocarpon badioatrum (Flörke ex Sprengel) Th. Fr. Boreal Shield

Rhizocarpon cinereovirens (Müll. Arg.) Vainio Boreal Shield

Rhizocarpon concentricum (Davies) Beltram Prairie

Rhizocarpon cookeanum H. Magn. Prairie

Rhizocarpon copelandii (Körber) Th.Fr. Boreal Plain

Rhizocarpon disporum (Nägeli ex Hepp) Müll. Arg. Taiga Shield, Boreal Shield, Boreal Plain, Prairie

Rhizocarpon geminatum Körber Taiga Shield, Prairie

Rhizocarpon geographicum (L.) DC. Taiga Shield, Boreal Shield, Prairie
Rhizocarpon grande (Flörke ex Flotow) Arnold Taiga Shield, Boreal Shield, Prairie
Rhizocarpon hochstetteri (Körber) Vainio Taiga Shield, Boreal Shield
Rhizocarpon lindsayanum Räsänen (possibly a subsp. of *R. geographicum*) Taiga Shield
Rhizocarpon norvegicum Räsänen Boreal Shield
*^Rhizocarpon renneri Poelt Prairie
Rhizocarpon riparium Rasanen (possibly a subsp. of *R. geographicum*) Boreal Plain
Rhizocarpon superficiale (Schaerer) Vainio Prairie
*^Rhizocarpon viridiatrum (Wulfen) Körb., Prairie

RINODINA

Rinodina archaea (Ach.) Arnold Boreal Shield
Rinodina austroborealis Schaerd Boreal Plain, Prairie
Rinodina bischoffii (Hepp) A. Massal. Prairie
Rinodina colobina (Ach.) Th. Fr. Boreal Plain
^Rinodina conradii Körber Prairie
Rinodina freyi H. Magn. Prairie
^Rinodina juniperina Sheard Prairie
^Rinodina lobulata H. Mayrhofer & Sheard Prairie
^Rinodina luridata (Körber) H. Mayrhofer, Scheidegger & Sheard Prairie
Rinodina metaboliza Vainio Boreal Plain
^Rinodina parasitica H. Mayrhofer & Poelt Prairie
Rinodina populicola H. Magn. Prairie
Rinodina pyrina (Ach.) Arnold Prairie
^Rinodina straussii J. Steiner Prairie
Rinodina terrestris Tomin Prairie
^Rinodina venostana Buschardt & H. Mayrhofer

ROPALOSPORA

Ropalospora chlorantha (Tuck.) S. Ekman Prairie

SARCOGYNE

Sarcogyne clavus (DC.) Kremp Prairie
^Sarcogyne hypophaea (Nyl.) Arn. (syn. *Sarcogyne privigna*) Prairie
Sarcogyne magnussonii B. de Lesd, Prairie
Sarcogyne regularis Körber Boreal Plain, Prairie
^Sarcogyne similis H. Magn. Prairie

SCHAERERIA

Schaereria fuscocinerea (Nyl.) Clauzade & C.L. Roux Taiga Shield, Boreal Shield

SCOLICIOSPORUM

Scoliciosporum chlorococcum (Stenh.) Vězda Taiga Shield

SILOBIA

Silobia smaragdula (Wahlenb.) M. Weestbr. & Wadin. Boreal Plain

SPORASTATIA

Sporastatia testudinea (Ach.) A. Massal. Taiga Shield, Prairie

STAUROTHELE

Staurothele areolata (Ach.) Lettau Prairie
Staurothele drummondii (Tuck.) Tuck. Taiga Shield, Boreal Shield, Boreal Plain, Prairie
Staurothele elenkinii Oxner Prairie
Staurothele fissa (Taylor) Zwackh Taiga Shield, Boreal Shield, Boreal Plain
^Staurothele monicea (Zahlbr.) Wetmore Prairie

STRANGOSPORA

Strangospora microhaema (Norman) R. Anderson Boreal Plain
Strangospora moriformis (Ach.) Stein Taiga Shield, Boreal Shield

TETRAMELAS

Tetramelas papillatus (Sommerf.) Kalb Prairie
Tetramelas triphragmioides (Anzi) A. Nordin & Tibell Prairie

THELENELLA

Thelenella muscorum (Fries) Vainio var. muscorum Prairie

TRAPELIOPSIS

Trapeliopsis flexuosa (Fr.) Coppins & James Taiga Shield, Boreal Shield, Boreal Plain, Prairie
Trapeliopsis granulosa (Hoffm.) Lumbsch Taiga Shield, Boreal Shield, Boreal Plain, Prairie

TREMOLECIA

Tremolecia atrata (Ach.) Hertel Taiga Shield

VERRUCARIA

^Verrucaria bernaicensis Malnr. Prairie
^Verrucaria fusca Pers. Prairie
Verrucaria glaucovirens Grummann Prairie
^Verrucaria inficiens Breuss Prairie
Verrucaria margacea (Wahlenb.) Wahlenb. Prairie
Verrucaria muralis Ach. Prairie
Verrucaria nigrescens Pers. Boreal Shield, Boreal Plain, Prairie
^Verrucaria othmarii K. Knudson & L. Arcadia (syn. *Verrucaria rupicola*) Prairie
Verrucaria rupestris Schrader Boreal Shield
^Verrucaria sphaerospora Anzi Prairie
Verrucaria viridula (Schrader) Ach. Prairie

XYLOGRAPHA

Xylographa parallela (Ach.:Fr.) Behlen & Desberger Taiga Shield, Boreal Shield, Boreal Plain

Growth Form Ecozone(s). ^ Denotes new additions to the Ecozone

Foliose

ARCTOPARMELIA

Arctoparmelia centrifuga (L.) Hale Taiga Shield, Boreal Shield
Arctoparmelia incurva (Pers.) Hale Boreal Shield
Arctoparmelia separata (Th. Fr.) Hale Taiga Shield, Boreal Shield

BLENNOTHALLIA

Blennothallia crispa (Hudson) Otálora, P.M. Jörg. & Wedin (syn. *Collema crispum*) Prairie

CANDELARIA

Candelaria concolor (Dickinson) Stein Taiga Shield, Boreal Shield, Boreal Plain, Prairie

CATAPYRENIUM

Catapyrenium cinereum (Pers.) Körber Prairie

CETRARIELLA

Cetrariella commixta (Nyl. A. Thell & Kärnefelt. Taiga Shield, Boreal Plain

COLLEMA

Collema bachmanianum (Fink) Degel Prairie
Collema fuscovirens (With.) J. R. Laundon Prairie
Collema tenax (Sw.) Ach. Taiga Shield, Boreal Shield, Boreal Plain, Prairie
Collema undulatum Laurer ex Flotow Prairie

DEMATOCARPON

Dermatocarpon luridum (With.) J.R. Laundon Taiga Shield
Dermatocarpon miniatum (L.) W. Mann Taiga Shield, Prairie

ENCHYLIUM

Enchylium coccophorum (Tuck.) Otálora, P.M. Jörg. & Wedin-(syn. *Collema coccophorum*),
Prairie

FLAVOPARMELIA

Flavoparmelia caperata (L.) Hale Boreal Plain

FLAVOPUNCTELIA

Flavopunctelia flaventior (Stirton) Hale Taiga Shield, Boreal Shield, Boreal Plain, Prairie
Flavopunctelia soledica (Nyl.) Taiga Shield, Boreal Shield, Boreal Plain, Prairie

HYPOGYMNIUM

Hypogymnia austerodes (Nyl.) Räsänen Prairie

Hypogymnia bitteri (Lynge) Ahti Taiga Shield, Boreal Shield
Hypogymnia physodes (L.) Nyl. Taiga Shield, Boreal Shield, Boreal Plain, Prairie
Hypogymnia subobscura (Vainio) Poelt Taiga Shield

HYPOTRACHYNA

Hypotrachyna laevigata (Sm.) Hale Taiga Shield

IMSHAUGIA

Imshaugia aleurites (Ach.) S. F. Meyer Taiga Shield, Boreal Shield

Imshaugia placorodia (Ach.) S.F. Meyer Taiga Shield

LASALLIA

Lasallia papulosa (Ach.) Llano Taiga Shield, Boreal Shield

(Nyl.) HafeLasallia pensylvanica (Hoffm.) Llano Taiga Shield

LEPTOGIUM

Leptogium cf. nanum Herre-Prairie

Leptogium saturninum (Dickson) Nyl. Taiga Shield, Boreal Shield, Boreal Plain

Leptogium tenuissimum (Dickson) Körber Boreal Plain, Prairie

LOBARIA

Lobaria pulmonaria (L.) Hoffm. Boreal Shield

Lobaria scrobiculata (Scop.) DC. Taiga Shield

LOBOTHALLIA

Lobothallia alphoplaca (Wahlenb.) Hafellner Boreal Plain, Prairie

*Lobothallia praevalida (Nyl.) Hafellner, Prairie

MASSALONGIA

Massalongia carnosula (Dickson) Körber Taiga Shield, Boreal Shield

MELANELIA

Melanelia disjuncta (Erichsen) Essl. Taiga Shield, Boreal Plain, Prairie

Melanelia hepatizon (Ach.) Thell Taiga Shield, Boreal Shield

Melanelia panniformis (Nyl.) Essl. Taiga Shield

Melanelia soredata (Ach.) Goward & Ahti Taiga Shield, Boreal Shield, Boreal Plain

Melanelia stygia (L.) Essl. Taiga Shield

Melanelia tominii (Oxner) Essl. Taiga Shield

MENALELIXIA

Menalelixia albertana (Ahti) O. Blanco, A. Crespo, Divakar, Essl., D. Hawksw. & Lumsch
Boreal Shield, Boreal Plain, Prairie

Menalelixia subargentifera (Nyl.) O. Blanco, A. Crespo, Divakar, Essl., D. Hawksw. & Lumsch.
Boreal Plain, Prairie

Menalelixia subaurifera (Nyl.) O. Blanco, A. Crespo, Divakar, Essl., D. Hawksw. & Lumsch
Taigha Shield, Boreal Shield, Boreal Plain

MELANOHALEA

Melanohalea elegantula (Zahlbr.) O. Blanco, A. Crespo, Divakar, Essl., D. Hawksw. & Lumsch
Boreal Plain, Prairie

Melanohalea exasperata (De Not.) O. Blanco, A. Crespo, Divakar, Essl., D. Hawksw. & Lumsch
Prairie

Melanohalea exasperatula (Nyl.) O. Blanco, A. Crespo, Divakar, Essl., D. Hawksw. & Lumsch
Taiga Shield, Borea Shield, Boreal Plain, Prairie

Melanohalea halei (Ahti) O. Blanco, A. Crespo, Divakar, Essl., D. Hawksw. & Lumsch
Boreal Plain, Prairie

Melanohalea infumata (Nyl.) O. Blanco, A. Crespo, Divakar, Essl., D. Hawksw. & Lumsch
Cypress Hills Interprovincial Park

Melanohalea olivacea (L.) O. Blanco, A. Crespo, Divakar, Essl., D. Hawksw. & Lumsch
Taiga Shield, Boreal Shield, Boreal Plain, Prairie

Melanohalea septentrionalis (Lynge) O. Blanco, A. Crespo, Divakar, Essl., D. Hawksw. &
Lumsch Taiga Shield, Boreal Shield, Boreal Plain, Prairie

Melanohalea subolivacea (Nyl.) O. Blanco, A. Crespo, Divakar, Essl., D. Hawksw. & Lumsch
Boreal Plain, Prairie

MONTANELIA

Montanelia tominii (Oxner) Divakar, A. Crespo, Wedin & Essl. (syn. *Melanelia tominii*) Prairie

NEPHROMA

Nephroma arcticum (L.) Torss. Taiga Shield, Boreal Shield
Nephroma bellum (Sprengel) Tuck. Taiga Shield
Nephroma helveticum Ach. subsp. *helvaticum* Taiga Shield, Boreal Shield
Nephroma parile (Ach.) Ach. Taiga Shield
Nephroma resupinatum (L.) Ach. Taiga Shield

PARMELIA

Parmelia omphalodes (L.) Ach. subsp. *omphalodes* Taiga Shield
Parmelia saxatilis (L.) Ach. Taiga Shield, Boreal Shield, Boreal Plain
Parmelia sulcata Taylor Taiga Shield, Boreal Shield, Boreal Plain, Prairie

PARMELIOPSIS

Parmeliopsis ambigua (Wulfen) Nyl. Taiga Shield, Boreal Shield, Boreal Plain, Prairie
Parmeliopsis hyperopta (Ach.) Arnold Taiga Shield, Boreal Shield, Boreal Plain, Prairie

PELTIGERA

Peltigera aphthosa (L.) Willd. Taiga Shield, Boreal Shield, Boreal Plain, Prairie
Peltigera canina (L.) Willd. Taiga Shield, Boreal Shield, Boreal Plain, Prairie
Peltigera didactyla (With.) J. R. Laundon Taiga Shield, Boreal Shield, Boreal Plain, Prairie
Peltigera elisabethae Gyelnik Taiga Shield, Boreal Shield
Peltigera evansiana Gyelnik Boreal Plain
Peltigera horizontalis (Hudson) Baumg. Boreal Plain, Prairie
Peltigera lepidophora (Nyl. ex Vanio) Bitter Taiga Shield, Boreal Shield, Boreal Plain, Prairie
Peltigera leucophlebia (Nyl.) Gyelnik Taiga Shield, Boreal Shield, Boreal Plain, Prairie
Peltigera malacea (Ach.) Funck. Taiga Shield, Boreal Shield, Boreal Plain, Prairie
Peltigera neckeri Hepp. ex Müll.) Arg. Taiga Shield, Boreal Shield, Boreal Plain, Prairie
Peltigera neopolydactyla (Gyelnik) Gyelnik Taiga Shield, Boreal Shield; Boreal Plain
Peltigera polydactylon (Necker) Hoffm. Taiga Shield, Boreal Plain, Prairie
Peltigera ponojensis Gyelnik Taiga Shield, Boreal Shield, Boreal Plain, Prairie
Peltigera praetextata (Flörke ex Sommerf.) Zopf. Boreal Shield, Boreal Plain
Peltigera retifoveata Vitik Ecozone(s) unknown
Peltigera rufescens (Weiss) Humb. Taiga Shield, Boreal Shield, Boreal Plain, Prairie
Peltigera scabrosa Th. Fr. Taiga Shield, Boreal Shield
Peltigera venosa (L.) Hoffm. Prairie

PHAEOPHYSCIA

Phaeophyscia ciliata (Hoffm.) Moberg Prairie
Phaeophyscia constipata (Norrlin & Nyl.) Moberg Taiga Shield, Prairie
Phaeophyscia hirsuta (Mereschk) Essl. Prairie
Phaeophyscia nigricans (Flörke) Moberg Prairie
Phaeophyscia orbicularis (Necker) Moberg Boreal Shield, Boreal Plain, Prairie
Phaeophyscia pusilloides (Zahlbr.) Essl. Boreal Plain
Phaeophyscia sciastra (Ach.) Moberg Taiga Shield, Boreal Shield, Prairie

PHAEOSPOROBOLUS

**Phaeosporobolus usneae* D. Hawksw. & Hafellner Boreal Plain

PHYSICIA

Physcia adscendens (Fr.) H. Oliver Taiga Shield, Boreal Shield, Boreal Plain, Prairie
Physcia aipolia (Ehrh. ex Humb.) Fűrnr. var. *aipolia* Taiga Shield, Boreal Shield, Boreal Plain, Prairie

^*Physcia alnophila* (Vain.) Loht, Moberg, Myllys & Tehler, Prairie
Physcia caesia (Hoffm.) Fűrnr. Taiga Shield, Boreal Shield, Boreal Plain, Prairie
^*Physcia dimidiata* (Arnold) Nyl., Prairie
Physcia dubia (Hoffm.) Lettau Taiga Shield, Boreal Plain, Prairie
Physcia leptalea (Ach.) DC. Prairie
Physcia phaea (Tuck.) J. W. Thomsson Taiga Shield, Boreal Shield
Physcia stellaris (L.) Nyl. Boreal Shield, Boreal Plain, Prairie
Physcia tenella (Scop.) DC. Prairie

PHYSICIELLA

^*Physciella chloantha* (Ach.) Essl, Prairie

PHYSCONIA

Physconia detersa (Nyl.) Poelt Taiga Shield, Boreal Shield
Physconia enteroxantha (Nyl.) Poelt Prairie
Physconia muscigena (Ach.) Poelt Taiga Shield, Boreal Plain, Prairie
Physconia perisidiosa (Erichsen) Moberg Prairie

PLATISMATIA

Platismatia glauca (L.) W.L. Culb. & C.F. Culb. Taiga Shield, Boreal Shield

PUNCTELIA

Punctelia subrudecta (Nyl.) Krog. Boreal Plain

RHIZOPLACA

Rhizoplaca chrysoleuca (Sm.) Zopf Taiga Shield, Boreal Shield, Boreal Plain, Prairie
Rhizoplaca haydenii (Tuck.) W. A. Weber Prairie
Rhizoplaca melanophthalma (DC.) Leuckert & Poelt Taiga Shield, Boreal Shield, Boreal, Prairie
Rhizoplaca peltata (Ramond) Leuckert & Poelt Prairie
Rhizoplaca subdiscrepans (Nyl.) R. Sant Taiga Shield

SOLORINA

Solorina bisporea Nyl. Taiga Shield, Boreal Shield
Solorina crocea (L.) Ach. Taiga Shield
Solorina saccata (L.) Ach. Taiga Shield, Boreal Shield, Boreal Plain

UMBILICARIA

Umbilicaria americana Poelt & T.H. Nash Taiga Shield, Boreal Shield, Boreal Plain
Umbilicaria deusta (L.) Baumg. Taiga Shield, Boreal Shield, Boreal Plain
Umbilicaria hyperborea (Ach.) Hoffm. var. *hyperborea* Taiga Shield, Prairie
Umbilicaria mammulata (Ach.) Tuck. Taiga Shield, Boreal Plain
Umbilicaria muehlenbergii (Ach.) Tuck. Taiga Shield, Boreal Shield, Boreal Plain
Umbilicaria torrefacta (Lightf.) Schrader Taiga Shield, Boreal Shield, Boreal Plain
Umbilicaria vellea (L.) Hoffm. Taiga Shield, Boreal Shield
Umbilicaria virginis Schaerer Taiga Shield, Prairie (Cypress Hills Interprovincial Park)

VULPICIDA

Vulpicida canadensis (Räsänen) J.E. Mattsson & M.J. Lai Prairie
Vulpicida pinastri (Scop.) J.E. Mattson & M.L. Lai Taiga Shield, Boreal Shield, Boreal Plain, Prairie

XANTHOMENDOZA

Xanthomendoza fallax (Hepp ex Arnold) Søchter, Karnefelt & S.Y. Kondr. Taiga Shield, Boreal Shield, Boreal Plain, Prairie
^*Xanthomendoza fulva* (Hoffm.) Søchting, Kärnefelt & S. Y. Kondr. Prairie
Xanthomendoza hasseana (Räsänen) Søchting, Kärnefelt & S. Y. Kondr. Boreal Plain, Prairie
Xanthomendoza montana (L. Lindblom) Søchting, Kärnefelt & S.Y. Kondr. Prairie (Cypress Hills Interprovincial Park)

XANTHOPARMELIA

^*Xanthoparmelia camtschadalis* (Ach.) Hale Prairie
Xanthoparmelia chlorochroa (Tuck.) Hale Boreal Plain, Prairie
Xanthoparmelia coloradoënsis (Gyelnik) Hale Prairie
Xanthoparmelia conspersa (Ehrh. ex Ach.) Hale Boreal Shield, Prairie
Xanthoparmelia cumberlandia (Gyelnik) Hale Taiga Shield
Xanthoparmelia idahoensis Hale Prairie
Xanthoparmelia lineola (E. C. Berry) Hale Boreal Shield, Prairie
Xanthoparmelia loxodes (Nyl.) O. Blanco, A. Crespo, Elix, D. Hawksw. & Lumbsch Prairie
Xanthoparmelia mexicana (Gyelnik) Hale Prairie
Xanthoparmelia neochlorochroa Hale Prairie
Xanthoparmelia norchlorochroa Hale Prairie
Xanthoparmelia plittii (Gyelnik) Hale Prairie
Xanthoparmelia stenophylla (Ach.) Ahti & D. Hawksw. Taiga Shield, Boreal Shield
^*Xanthoparmelia subdecipiens* (Vainio) Hale Prairie
Xanthoparmelia tasmanica (Hook. f. & Taylor) Hale Taiga Shield

Xanthoparmelia taractica (Kremph.) Hale Boreal Shield, Boreal Plain

Xanthoparmelia wyomingica (Gyelnik) Hale Prairie

XANTHORIA

Xanthoria candelaria (L.) Th. Fr. Taiga Shield, Boreal Shield, Boreal Plain, Prairie

Xanthoria elegans (Link) Th. Fr. Taiga Shield, Boreal Shield, Boreal Plain, Prairie

Xanthoria polycarpa (Hoffm.) Rieber Boreal Plain, Prairie

Xanthoria soredata (Vainio) Taiga Shield, Boreal Shield

Xanthoria tibellii S/Y. Kondr. & Karnefelt Prairie

Growth Form Ecozone(s)

Fruticose

ALECTORIA

Alectoria ochroleuca (Hoffm.) A. Massal. Taiga Shield

BRYORIA

Bryoria capillaris (Ach.) Brodo & D. Hawksw. Boreal Shield, Boreal Plain, Prairie

Bryoria chalybeiformis (L.) Brodo & D. Hawksw. Prairie

Bryoria fremontii (Tuck.) Brodo & D. Hawksw. Prairie Cypress Hills Interprovincial Park

Bryoria furcellata (Fr.) Brodo & D. Hawksw. Taiga Shield, Boreal Shield, Boreal Plain, Prairie

Bryoria fuscescens (Gyelnik) Brodo & D. Hawksw. Taiga Shield, Boreal Shield, Boreal Plain, Prairie

Bryoria glabra (Mot.) Brodo & D. Hawksw. Prairie

Bryoria implexa (Hoffm.) Brodo & D. Hawksw. Boreal Shield, Boreal Plain

Bryoria lanestris (Ach.) Brodo & D. Hawksw. Taiga Shield, Boreal Shield, Boreal Plain

Bryoria nadvornikiana (Gyeln.) Brodo & D. Hawksw. Taiga Shield

Bryoria simplicior (Vainio) Brodo & D. Hawksw. Boreal Shield, Boreal Plain

Bryoria trichodes (Michx.) Brodo & D. Hawksw. subsp. trichodes Boreal Plain

CETRARIA

Cetraria aculeata (Schreber) Fr. Taiga Shield, Boreal Shield, Boreal Plain, Prairie

Cetraria arenaria Kärnefelt Prairie

Cetraria ericetorum Opiz subsp. ericetorum Taiga Shield, Boreal Shield, Boreal Plain, Prairie

Cetraria islandica (L.) Ach. subsp. islandica Taiga Shield, Boreal Shield, Boreal Plain, Prairie

Cetraria laevigata Räsänen Taiga Shield, Boreal Shield

CETRAIELLA

Cetrariella commixta (Nyl.) A. Thell & Kärnefelt (syn. *Cetraria commixta*)

Taiga Shield

Cetrariella delisei (Bory ex Schaerer) Kärnefelt & Thell (syn. *Cetraria dedlisei*)

Taiga Shield

CLADONIA

Cladonia arbuscula (Wallr.) Flotow Taiga Shield, Boreal Shield

Cladonia arbuscula subsp. mitis (Sandst.) Ruoss (syn. *Cladina mitis*) Taiga Shield,
Boreal Shield, Boreal Plain, Prairie

Cladonia amaurocraea (Flörke) Schaerer Taiga Shield, Boreal Shield, Boreal Plain

Cladonia bellidiflora (Ach.) Schaerer Taiga Shield

Cladonia borealis S. Stenroos Taiga Shield, Boreal Shield, Boreal Plain

Cladonia botrytes (K. Hagen) Willd. Taiga Shield, Boreal Shield, Boreal Plain, Prairie

Cladonia cariosa (Ach.) Sprengel Taiga Shield, Boreal Shield, Boreal Plain, Prairie

Cladonia carneola (Fr.) Fr. Taiga Shield

Cladonia cenotea (Ach.) Schaerer Taiga Shield, Boreal Shield, Boreal Plain, Prairie

Cladonia cervicornis (Ach.) Ahti subsp. verticellata Taiga Shield, Boreal Shield, Boreal Plain,
Prairie

Cladonia chlorophaea (Flörke ex Sommerf) Sprengel Taiga Shield, Boreal Shield, Boreal Plain,
Prairie

Cladonia coccifera (L.) Willd Taiga Shield

Cladonia coniocraea (Flörke) Sprengel Taiga Shield, Boreal Shield, Boreal Plain, Prairie

Cladonia cornuta (L.) Hoffm. subsp. cornuta Taiga Shield, Boreal Shield, Boreal Plain, Prairie
 Cladonia cornuta subsp. groenlandica (E. Dahl) Ahti Boreal Plain
 Cladonia crispata (Ach.) Flotow var. crispata Taiga Shield, Boreal Shield, Boreal Plain, Prairie
 Cladonia cristatella Tuck. Taiga Shield, Boreal Shield, Boreal Plain, Prairie
 Cladonia decorticata (Flörke) Sprengel Prairie
 Cladonia deformis (L.) Hoffm. Taiga Shield, Boreal Shield, Boreal Plain, Prairie
 Cladonia ecmocyna Leighton subsp. Ecmocyna Taiga Shield, Boreal Shield, Boreal Plain
 Cladonia ecmocyna subsp. intermedia (Robbins) Ahti Boreal Plain
 Cladonia fimbriata (L.) Fr. Taiga Shield, Boreal Shield, Boreal Plain, Prairie
 Cladonia furcata (Hudson) Schrader Boreal Plain, Prairie
 Cladonia glauca Flörke Prairie
 Cladonia gracilis (L.) Willd. subsp. elongate (Jacq.) Vainio Taiga Shield
 Cladonia gracilis (L.) Willd. subsp. gracilis Taiga Shield, Boreal Shield, Boreal Plain, Prairie
 Cladonia gracilis (L.) Willd. subsp. turbinata (Ach.) Ahti Taiga Shield, Boreal Shield, Boreal Plain
 Prairie
 Cladonia grayi G. Merr. ex Sandst Boreal Shield, Boreal Plain
 Cladonia humilis (With.) J. R. Laundon Boreal Plain
 Cladonia macilenta Hoffm. Taiga Shield, Boreal Shield, Boreal Plain
 Cladonia macilenta var. bacillaris (Genth) Schaerer. Taiga Shield, Boreal Shield, Boreal Plain
 Prairie
 Cladonia macrophylla (Schaerer) Stenh. Taiga Shield, Boreal Shield
 Cladonia macrophyllodes Nyl. Taiga Shield, Boreal Shield, Boreal Plain, Prairie
 Cladonia mateocyantha Robbins Ecozone(s) unknown
 Cladonia maxima (Asahina) Ahti Taiga Shield
 Cladonia metacorallifera Asahina Taiga Shield, Boreal Shield
 Cladonia multiformis G. Merr. Taiga Shield, Boreal Shield, Boreal Plain, Prairie
 Cladonia ochrochlora Flörke Taiga Shield
 Cladonia phyllophora Hoffm. Taiga Shield, Boreal Shield, Boreal Plain, Prairie
 Cladonia pleurota (Flörke) Schaerer Taiga Shield, Boreal Shield, Boreal Plain, Prairie
 Cladonia pocillum (Ach.) O.J. Rich Taiga Shield, Boreal Shield, Boreal Plain, Prairie
 Cladonia pyxidata (L.) Hoffm. Taiga Shield, Boreal Shield, Boreal Plain, Prairie
 Cladonia ramulosa (With.) J. R. Laundon Boreal Plain, Prairie
 Cladonia rangiferina (L.) F.H. Wigg (syn. *Cladina rangiferina*) Taiga Shield, Boreal Shield,
 Boreal Plain, Prairie
 Ladonia rappii A. Evans Exozone(s) unknown
 Cladonia rei Schaerer Taiga Shield, Boreal Shield, Boreal Plain, Prairie
 Cladonia robbinsii A. Evans Prairie
 Cladonia scabriuscula (Delise) Nyl. Boreal Plain
 Cladonia squamosa Hoffm. Taiga Shield, Boreal Shield, Boreal Plain, Prairie
 Cladonia stellaris (Opiz) Pouzar & Vezda (syn. *Cladina stellaris*) Taiga Shield, Boreal Shield,
 Boreal Plain
 Cladonia stygia (Fr.) Ruoss (syn. *Cladina stygia*) Taiga Shield, Boreal Shield, Boreal Plain
 Cladonia subcariosa Nyl Boreal Plain, Prairie
 Cladonia subulata (L.) F.H. Wigg. Taiga Shield, Boreal Shield, Boreal Plain, Prairie
 Cladonia sulphurina (Michaux) Fr. Taiga Shield, Boreal Shield
 Cladonia symphycarpa (Flörke) Fr. Taiga Shield, Boreal Shield, Boreal Plain, Prairie
 Cladonia trassii Ahti Taiga Shield, Boreal Shield
 Cladonia turgida Hoffm. Taiga Shield, Boreal Shield, Prairie
 Cladonia uncialis (L.) F.H. Wigg. Taiga Shield, Boreal Shield, Boreal Plain, Prairie

DIPLATOMMA

Diplotomma alboatrum (Hoffm.) Flotow Prairie
 Diplotomma venustum (Körber) Körber, Prairie

EVERNIA

Evernia mesomorpha Nyl. Taiga Shield, Boreal Shield, Boreal Plain, Prairie

FLAVOCETRARIA

Flavocetraria cucullata (Bellardi) Kärnefelt and Thell Taiga Shield, Boreal Shield

Flavocetraria nivalis (L.) Kärnefelt and Thell Taiga Shield, Boreal Shield

KAERNEFELTIA

Kaernefeltia merrillii (Du Rietz) Thell & Goward Prairie

LETHARIA

Letharia vulpina (L.) Hue Taiga Shield, Prairie

RAMALINA

Ramalina dilacerata (Hoffm.) Hoffm. Boreal Shield, Boreal Plain, Prairie

Ramalina farinacea (L.) Ach. Taiga Shield, Boreal Shield

Ramalina fastigiata (Pers.) Ach. Boreal Plain, Prairie

Ramalina fraxinea (L.) Ach. Prairie

Ramalina intermedia (Delise ex Nyl.) Nyl. Taiga Shield, Boreal Shield

Ramalina obtusata (Arnold) Bitter Taiga Shield, Boreal Shield, Boreal Plain, Prairie

Ramalina pollinaria (Westr.) Ach. Taiga Shield, Boreal Shield, Boreal Plain, Prairie

Ramalina polymorpha (Lilj.) Ach. Prairie

Ramalina sinensis Jatta Prairie

SPHAEROPHORUS

Sphaerophorus fragilis (L.) Pers Taiga Shield, Prairie

SPILONEMA

Spilonema revertens Nyl. Taiga Shield

STEREOCAULON

Stereocaulon alpinum Laurer ex Funck Taiga Shield, Boreal Shield

Stereocaulon condensatum Hoffm. Boreal Shield

Stereocaulon dactylophyllum Flörke Taiga Shield

Stereocaulon glareosum (Savicz.) H. Magn. Taiga Shield

Stereocaulon grande (H. Magn.) H. Magn. Taiga Shield, Boreal Shield

Stereocaulon paschale (L.) Hoffm Taiga Shield, Boreal Shield, Boreal Plain

Stereocaulon rivulorum H. Magn Taiga Shield

Stereocaulon saxatile H. Magn. Taiga Shield, Boreal Shield, Boreal Plain

Stereocaulon tomentosum Fr. Taiga Shield, Boreal Shield, Boreal Plain, Prairie

TUCKERMANELLA

Tuckermanella fendleri (Nyl.) Essl. (syn. *Cetraria fendleri*) Boreal Plain

TUCKERMANNOPSIS

Tuckermannopsis americana (Sprengel) Hale (syn. *Cetraria halei*) Taiga Shield, Boreal Shield, Boreal Plain, Prairie

Tuckermannopsis chlorophylla (Willd.) Hale (syn. *Cetraria chlorophylla*) Boreal Plain, Prairie

Tuckermannopsis fendleri (Nyl.) Hale Boreal Plain

Tuckermannopsis sepincola (Ehrh.) Hale syn. *Cetraria sepincola*) Taiga Shield, Boreal Shield, Boreal Plain, Prairie

USNEA

Usnea alpine Mot. Taiga Shield, Boreal Shield

Usnea cavernosa Tuck. Taiga Shield, Boreal Shield, Boreal Plain

Usnea filipendula Stirton Taiga Shield, Boreal Shield, Boreal Plain

Usnea fulvovireagens (Räsänen) Räsänen Boreal Shield

Usnea glabrata (Ach.) Vainio Taiga Shield

Usnea glabrescens (Nyl. ex Vainio) Vainio Boreal Shield

Usnea hirta (L.) F. H. Wigg Taiga Shield, Boreal Shield, Boreal Plain, Prairie

Usnea lapponica Vainio Boreal Plain, Prairie

Usnea scabiosa Motyka Prairie

Usnea scabrata Nyl. Taiga Shield, Boreal Shield

Usnea subfloridana Stirton Boreal Shield, Boreal Plain, Prairie

Usnea substerilis Motyka. Taiga Shield, Boreal Shield, Boreal Plain, Prairie

Growth Form Ecozone(s)^ DENOTES NEW SPECIES

Lobulate

CALOPLACA

Caloplaca saxicola (Hoffm.) Nordin Prairie

Mushroom forming

LICHENOMPHALIA

Lichenomphalia umbellifera (L.:Fr.) Redhead, Lutzoni, Moncalvo & Vilgalys
(syn. *Omphalina umbellifera*) Taiga Shield, Boreal

Squamulose

CATAPYRENIUM

Catapyrenium cinereum (Pers.) Körber Prairie

ENDOCARPON

Endocarpon loscosii Müll. Arg. Prairie

Endocarpon pusillum Hedwig Prairie

FULGENSIA

Fulgensia bracteata (Hoffm.) Räsänen subsp. *bracteata* Prairie

FUSCOPANNARIA

Fuscopannaria praetermissa (Nyl.) P.M.Jørg Prairie

HEPPIA

Heppia lutosa (Ach.) Nyl. Prairie

HYPOCENOMYCE

Hypocenomyce scalaris (Ach.ex Lilj) M. Choisy Taiga Shield, Boreal Shield

PANNARIA

Pannaria conoplea (Ach.) Bory Boreal Shield

PELTULA

Peltula patellata (Bagl.) Swislow & Krog Prairie

PHAEORRHIZA

Phaeorrhiza sareptana (Tomin) H. Mayrhofer & Poelt Prairie

PLACIDIUM

^*Placidium californicum* Breuss Prairie

Placidium lacinulatum (Ach.) Breuss Prairie

Placidium squamulosum (Ach.) Breuss Prairie

PROTOPANNARIA

Protopannaria pezizoides (Weber) P.M. Jørg & Ekman Taiga Shield, Boreal Shield

PSORA

Psora cerebriformis W.A. Weber Prairie

Psora decipiens (Hedw.) Hoffm. Ach. Prairie

Psora himalayana (Church. Bab.) Timdal Taiga Shield, Boreal Shield

Psora russellii (Tuck.) A. Schneider Prairie

Psora tuckermanii R.A. Anderson ex Timdal, Prairie

PSOROMA

Psoroma hypnorum (Vahl.) Gray, Boreal Plain, Prairie

PSORULA

Psorula rufonigra (Tuck.) Gotth. Schneider, Taiga Shield

SQUAMULATE

Squamarina cartilaginea (With.) P. James, Prairie

Squamarina lentigera (Weber) Poelt, Prairie

TONINIA

Toninia sedifolia (Scop.) Timdal Prairie

Toninia tristis (Th. Fr.) Th. Fr. subsp. *tristes*, Prairie

Toninia tristis subsp. *asiae-centralis* (H. Magn.) Timdal, Prairie

Sub-Foliose

CATAPYRENIUM

Catapyrenium cinereum (Pers.) Körber, Prairie

Sub-squamulose**PLACIDIUM**

Placidium lachneum (Ach.) Breuss, Prairie

APPENDIX

The following lichen species occur in neighbouring provinces and the northern United

States in close proximity to our Provincial boundaries. These lichens have great potential to be discovered and recorded for our our lichen flora. Genus, species, growth form and respective ecozone are given for each taxon.

CALOPLACA

Caloplaca jungermanniae (Vahl.) Yh.Fr. Crustose-northeast Taiga Shield

CETRARIA

Cetraria nigricans Nyl. Fruticose-northeast Taiga Shield

CLADONIA

Cladonia digitata (L.) Hoffm. Fruticose-northeast -Taiga Shield

Cladonia subfurcata (Nyl.) Arnold Fruticose-northeast Taiga Shield

COLLEMA

Collema coccophorum Tuck. Foliose-southwest Prairie

HYPERPHYSCIA

Hyperphyscia aglutinata (Flörke) Mayrhofer & Poelt Foliose-southeast Prairie

Hyperphyscia syncolla (Tuck. ex Nyl.) Kalb Foliose-southeast Prairie

HYPOGENOMYCE

Hypocnomyce friesii (Ach.) P. James & Gotth. Schneider. Squamulose-eastcentral Boreal Shield

LECANORA

Lecanora chlarotera Nyl. Crustose-southwest Prairie

LECIDEA

Lecidea plana (J. Lahm)Nyl. Crustose-eastcentral Boreal Plain

Lecidea plebeia Nyl. Crustose-bortheast Boreal Shield

PARMELIA

Parmelia fraudans (Nyl.) Nyl. Foliose-northeast Boreal Shield

Parmelia squarrosa Hale Foliose-northeast Taiga Shield

PERTUSARIA

Pertusaria dactylina (Ach.) Nyl Crustose-northeast Taiga Shield

Pertusaria panygra (Ach.) A. Massal. Crustose-northeast Taiga Shield

PLACYNTHIELLA

Platcynthiella uliginosa (Schrader) Coppines & P. James Crustose-northeast Boreal Shield

PLACYNTHIUM

Placynthium asperellum (Ach.) Trevisan Squamulose-northeast Taiga Shield

POLYCHIDIUM

Polychidium muscicola (Sw.) Gray Fruticose-northeast Taiga Shield

PSORA

Psora globolifera (Ach.) A. Massal. Squamulose-southwest Prairie

RAMALINA

Ramalina roesleri (Hochst. ex Schaerer) Hue Fruticose-northeast Taiga Shield

SCHAERERIA

Schaereria cinereorufa (Schaerer) Th. Fr. Squamulose-northeast Taiga Shield

SOLIOSPORUM

Soliosporum chlorococcum (Stenh.) Vezda Crustose-eastcentral Boreal Plain

SPHAEROPHORUS

Sphaerophorus globosus (Hudson) Vainia Fruticose-northeast Taiga Shield

THAMNOLIA

Thamnolia vermicularis (Sw.) Ach. ex Scxhaerer Fruticose-northeast Taiga Shield

TONINIA

Toninia alutacea (Anzi) Jatta Crustose-southwest Prairie

UMBILICARIA

Umbilicaria polyphylla (L.) Baumg. Foliose-northeast Taiga Shield

Umbilicaria proboscidea (L.) Schrader Foliose-northeast Taiga Shield

VARICELLARIA

Varicellaria rhodocarpa (Korber) Th. F. Crustose-northeast Boreal Shield