

Queen’s University Biological Station Species List:

Sac Fungi

The current list has been assembled using a previous list compiled by Mark Conboy in 2012 and a list provided by Richard Aaron in 2019. [Richard Aaron](#), a naturalist and educator from Toronto, who has been running the Fabulous Fall Fungi workshop at QUBS between 2009 and 2019. [Dr. Ivy Schoepf](#), QUBS Research Coordinator, amended and edited the list in 2020 to include full taxonomy and information regarding species’ status using resources from [The Natural Heritage Information Centre](#) (April 2018) and [The IUCN Red List of Threatened Species](#) (February 2018); [iNaturalist](#) and [GBIF](#). Contact [Ivy](#) to report any errors, omissions and/or new sightings.

Based on the aforementioned criteria we can expect to find a total of 106 species of sac fungi (kingdom: Fungi, phylum: Ascomycota) present at QUBS. Species are reported using their full taxonomy; common name and status, based on whether the species is of global or provincial concern (see Table 1 for details). All species are considered QUBS residents unless otherwise stated.



Figure 1. Stalked Scarlet Cups (*Sarcoscypha occidentalis*) are sac fungi characterized by their bright red fruiting bodies. This fungus is at its northern range limits at QUBS. Photo courtesy of Mark Conboy.

Table 1. Status classification reported for the sac fungi of QUBS. Global status based on IUCN Red List of Threatened Species rankings. Provincial status based on Ontario Natural Heritage Information Centre SRank.

Global Status	Provincial Status
Extinct (EX)	Presumed Extirpated (SX)
Extinct in the Wild (EW)	Possibly Extirpated (SH)
Critically Endangered (CR)	Critically Imperiled (S1)
Endangered (EN)	Imperiled (S2)
Vulnerable (Vu)	Vulnerable (S3)
Near Threatened (NT)	Apparently Secure (S4)
Least Concern (LC)	Secure (S5)
Data Deficient (DD)	Unrankable - insufficient information (SU)
Not Evaluated (NE)	Unranked - not yet assessed (SNR)
	Conservation Status Rank Not Applicable (SNA)

Class	Order	Family	Scientific Name	Common Name	Global Status	Provincial Status
Dothideomycetes	Hysteriales	Hysteriaceae	<i>Hysteroglyphium mori</i>	NA	NE	SNR
	Trypetheliales	Trypetheliaceae	<i>Porothelium fimbriatum</i>	NA	NE	SNR
	Venturiales	Venturiaceae	<i>Apiosporina morbosa</i>	Black Knot	NE	SNR
Eurotiomycetes	Eurotiales	Elaphomycetaceae	<i>Elaphomyces muricatus</i>	NA	NE	SNR
			<i>Mycocalicium subtile</i>	NA	NE	SNR
	Mycocaliciales	Mycocaliciaceae	<i>Phaeocalicium curtisii</i>	NA	NE	SNR
			<i>Phaeocalicium polyporaeum</i>	NA	NE	SNR
	Onygenales	Pezizomycotina <i>incertae sedis</i>	<i>Sphaerosporium lignatile</i>	NA	NE	SNR
Geoglossomycetes	Geoglossales	Geoglossaceae	<i>Geoglossum difforme</i>	NA	NT	SNR
			<i>Trichoglossum hirsutum</i>	Hairy Earthtongue	NE	SNR
			<i>Trichoglossum walteri</i>	NA	Vu	SNR
Leotiomycetes	Helotiales	Cenangiaceae	<i>Chlorencoelia versiformis</i>	Olive-brown Cup	NE	SNR
			<i>Chlorociboria aeruginascens</i>	Green Wood Cup	NE	SNR
		Chlorociboriaceae	<i>Chlorociboria aeruginosa</i>	NA	NE	SNR
			<i>Chlorosplenium chlora</i>	NA	NE	SNR
		Gelatinodiscaceae	<i>Ascocoryne cylichnium</i>	NA	NE	SNR
			<i>Ascocoryne sarcooides</i>	Purple Jellydisc	NE	SNR
			<i>Ascotremella faginea</i>	NA	NE	SNR
		Helotiaceae	<i>Bisporella citrina</i>	Yellow Fairy Cups	NE	SNR
			<i>Hymenoscyphus fructigenus</i>	NA	NE	SNR
			<i>Phaeohelotium epiphyllum</i>	NA	NE	SNR
	<i>Tatraea macrospora</i>		NA	NE	SNR	
	Hyaloscyphaceae	<i>Polydesmia pruinosa</i>	NA	NE	SNR	
	Lachnaceae	<i>Lachnum virgineum</i>	Stalked Hairy Fairy Cup	NE	SNR	
	Mollisiaceae	<i>Mollisia cinerea</i>	NA	NE	SNR	
	Leotiales	Leotiaceae	<i>Leotia atrovirens</i>	NA	NE	SNR
			<i>Leotia lubrica</i>	Ochre Jelly Club	NE	SNR
			<i>Leotia viscosa</i>	Chicken Lips	NE	SNR
			<i>Microglossum rufum</i>	NA	NE	SNR

Class	Order	Family	Scientific Name	Common Name	Global Status	Provincial Status
Leotiomycetes	Leotiales	Tympanidaceae	<i>Holwaya mucida</i>	NA	NE	SNR
	Marthamycetales	Marthamycetaceae	<i>Propolis versicolor</i>	NA	NE	SNR
	Phacidiales	Phacidiaceae	<i>Bulgaria inquinans</i>	Black Bulgar	NE	SNR
	Rhytismatales	Cudoniaceae	<i>Cudonia lutea</i>	NA	NE	SNR
			<i>Spathularia flavida</i>	Yellow Fan	NE	SNR
	Rhytismatales	Rhytismataceae	<i>Lophodermium nitens</i>	NA	NE	SNR
			<i>Rhytisma americanum</i>	American Tar Spot	NE	SNR
			<i>Rhytisma punctatum</i>	Speckled Tar Spot	NE	SNR
Orbiliomycetes	Orbiliales	Orbiliaceae	<i>Orbilina delicatula</i>	Glasscup	NE	SNR
Pezizomycetes	Pezizales	Discinaceae	<i>Gyromitra infula</i>	Saddle-shaped False Morel	NE	SNR
			<i>Gyromitra esculenta</i>	False Morel	NE	SNR
		Helvellaceae	<i>Helvella atra</i>	NA	NE	SNR
			<i>Helvella crispa</i>	White Saddle	NE	SNR
			<i>Helvella elastica</i>	Flexible Lorchel	NE	SNR
			<i>Helvella lacunosa</i>	NA	NE	SNR
			<i>Helvella macropus</i>	Felt Saddle Fungus	NE	SNR
			<i>Underwoodia columnaris</i>	NA	NE	SNR
		Morchellaceae	<i>Mitrophora semilibera</i>	Semifree Morel	NE	SNR
			<i>Morchella elata</i>	Black Morel	NE	SNR
			<i>Morchella esculenta</i>	Yellow Morel	NE	SNR
			<i>Verpa bohemica</i>	Wrinkled Thimble Morel	NE	SNR
		Otideaaceae	<i>Otidea onotica</i>	Hare's Ear	NE	SNR
		Pezizaceae	<i>Pachyella clypeata</i>	Copper Penny Fungus	NE	SNR
			<i>Peziza domiciliana</i>	NA	NE	SNR
			<i>Peziza michelii</i>	NA	NE	SNR
			<i>Peziza micropus</i>	NA	NE	SNR
			<i>Peziza repanda</i>	Palomino Cup	NE	SNR
			<i>Peziza succosa</i>	NA	NE	SNR
			<i>Peziza vesiculosa</i>	NA	NE	SNR
Pyronemataceae	<i>Aleuria aurantia</i>	Orange Peel Fungus	NE	SNR		
	<i>Aleuria rhenana</i>	Stalked Orange-peel Fungus	NE	SNR		
	<i>Humaria hemisphaerica</i>	Brown-haired White Cup	NE	SNR		
	<i>Jafnea semitosta</i>	NA	NE	SNR		
	<i>Scutellinia scutellata</i>	Eyelash Cup	NE	SNR		
	<i>Scutellinia setosa</i>	NA	NE	SNR		
Sarcoscyphaceae	<i>Microstoma floccosum</i>	Pink Fringed Faery Cup	NE	SNR		

Class	Order	Family	Scientific Name	Common Name	Global Status	Provincial Status	
Pezizomycetes	Pezizales	Sarcoscyphaceae	<i>Sarcoscypha austriaca</i>	Scarlet Elfcup	NE	SNR	
			<i>Sarcoscypha occidentalis</i>	Stalked Scarlet Cup	NE	SNR	
		Sarcosomataceae	<i>Pseudoplectania nigrella</i>	Ebony Cup	NE	SNR	
			<i>Urnula craterium</i>	Devil's Urn	NE	SNR	
Sordariomycetes	Chaetosphaeriales	Helminthosphaeriaceae	<i>Helminthosphaeria clavariarum</i>	NA	NE	SNR	
	Coronophorales	Bertiaceae	<i>Bertia moriformis</i>	Wood Mulberry	NE	SNR	
	Diaporthales	Gnomoniaceae	<i>Plagiostoma alneum</i>	NA	NE	SNR	
			<i>Sirococcus clavignenti-juglandacearum</i>	Butternut Canker	NE	SNR	
			Bionectriaceae	<i>Hydropisphaera peziza</i>	NA	NE	SNR
				<i>Nectriopsis tremellicola</i>	NA	NE	SNR
			Clavicipitaceae	<i>Claviceps purpurea</i>	Rye Ergot Fungus	NE	SNR
			Hypocreaceae	<i>Hypomyces armeniacus</i>	NA	NE	SNR
				<i>Hypomyces cervinigenus</i>	NA	NE	SNR
				<i>Hypomyces chrysospermus</i>	Bolete Mould	NE	SNR
				<i>Hypomyces lactifluorum</i>	Lobster Mushroom	NE	SNR
				<i>Hypomyces lateritius</i>	NA	NE	SNR
				<i>Hypomyces leotiicola</i>	NA	NE	SNR
			Hypocreales	<i>Hypomyces luteovirens</i>	NA	NE	SNR
				<i>Trichoderma gelatinosum</i>	NA	NE	SNR
				<i>Trichoderma latizonatum</i>	NA	NE	SNR
				<i>Trichoderma pulvinatum</i>	NA	NE	SNR
			Nectriaceae	<i>Nectria cinnabarina</i>	Coral Spot	NE	SNR
			Ophiocordycipitaceae	<i>Ophiocordyceps variabilis</i>	NA	NE	SNR
				<i>Tolypocladium capitatum</i>	Drumstick Truffleclub	NE	SNR
		<i>Tolypocladium ophioglossoides</i>		Snaketongue Truffleclub	NE	SNR	
		Tilachliidiaceae	<i>Tilachlidium brachiatum</i>	NA	NE	SNR	
		Ophiostomatales	Ophiostomataceae	<i>Ophiostoma ulmi</i>	Dutch Elm Disease	NE	SNR
		Sordariales	Lasiochaeriacae	<i>Lasiochaeria ovina</i>	NA	NE	SNR

Class	Order	Family	Scientific Name	Common Name	Global Status	Provincial Status		
Sordariomycetes	Xylariales	Diatrypaceae	<i>Diatrype stigma</i>	Common Tarcrust Fungus	NE	SNR		
			<i>Eutypella parasitica</i>	NA	NE	SNR		
		Hypoxylaceae	<i>Daldinia childiae</i>	NA	NE	SNR		
			<i>Daldinia concentrica</i>	King Alfred's Cakes	NE	SNR		
			<i>Hypoxylon fragiforme</i>	Beech Woodward	NE	SNR		
			<i>Hypoxylon multifforme</i>	Birch Woodward	NE	SNR		
			<i>Kretzschmaria deusta</i>	Brittle Cinder	NE	SNR		
		Xylariaceae	<i>Rosellinia subiculata</i>	NA	NE	SNR		
			<i>Xylaria hypoxylon</i>	Candlesnuff Fungus	NE	SNR		
			<i>Xylaria longipes</i>	Dead Moll's Fingers	NE	SNR		
			<i>Xylaria polymorpha</i>	Dead Man's Fingers	NE	SNR		
		Taphrinomycetes	Taphrinales	Taphrinaceae	<i>Taphrina pruni</i>	Pocket Plum	NE	SNR
					<i>Taphrina robinsoniana</i>	Eastern American Alder Tongue Gall Fungus	NE	SNR