BRYOMON TORING.ca

Moss identification guide

Stair-step moss Hylocomium splendens

Description

Stair-step moss appears "fern-like" with many small branches covered in more tiny branches. It ranges from 5-20 cm long. Each year's growth emerges from the top of the previous year's growth at a 90° angle – just like stair steps! Its colour ranges from yelow-green to olive green with a red stem.





Where to find it

Colonies can be found growing in loose mats on the ground, on downed trees or rocks.





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Gallery

Have a look at a few different images. Sometimes mosses can look a bit different depending on their growth conditions! The iNaturalist page has lots of additional images.





Arctic and alpine growth

In arctic and alpine regions, this moss lacks the stair-step growth form and instead grows in a single erect stem (which is an adaptation to the harsher climates typical to these regions).



Impostor

Thuidium delicatulum

Watch out for the similar-looking fern moss: However, the fern moss:

- Does not grow in the stair step growth form
- Does not have a red stem



Fern moss

Red-stemmed feather moss Pleurozium schreberi

Description

Red-stemmed feather moss has branches that emerge at right angles from the main stem, giving this moss a "feather" like appearance. It can grow up to 16 cm in length.

Colour ranges from light green to yellowish. Bright red-orange stems are distinctly visible when the moss is wet.



It often grows in dense carpets.



It looks like a feather.

Where to find it

Colonies form carpets over large areas and have a "shag carpet "appearance or can grow in smaller clumps among other mosses or grasses.





Gallery

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When the moss is wet, the red stems are visible. It is harder to see when the moss is very dry.

Impostors

Callicladium haldanianum

Watch out for the similar-looking sword moss:

However, the sword moss:

- Has loosely overlapping leaves giving it a spiky appearance
- Does not have a red stem.



Calliergonella cuspidata

Watch out for the similar-looking spear moss:

However, the spear moss:

- Grows only in wetlands
- Does not have a red stem

