

## EVERNIA Ach.

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### 4 Species in Alberta:

- divaricata** (L.) Ach. (rare, higher elevation and/or wetter sites)
- mesomorpha** Nyl. (province-wide, common)
- prunastri** (L.) Ach. (rare, close to BC border)
- perfragilis** Llano (arctic, rare)

### DICHOTOMOUS KEY – *Evernia*

Based on Goward 1999, Brodo et al. 2001

- 1a Branches clearly flattened and dorsiventral, with whitish lower surface; round soralia on lobe margins and upper surface with coarse soredia; rare in AB, confirmed to date from few sites close to the BC border ..... ***E. prunastri***
- 1b Branches not flattened, angular or irregular in section; sorediate or not ..... 2
- 2a Thallus bushy, typically erect, branches bearing isidia or soredia, or both on ridges; common across AB forested regions and even found occasionally on soil or rock in alpine and grassland sites..... ***Evernia mesomorpha***
- 2b Thallus either pendant or prostrate; branches lacking isidia and soredia; rare in AB and more common in mountains and foothills regions..... 3
- 3a Thallus prostrate over soil in alpine; branches hard-corticate, brittle; medulla dense ..... ***Evernia perfragilis***
- 3b Thallus pendant, epiphytic, more rarely prostrate on soil in the mountains; branches soft-corticate, supple; medulla lax (epiphytic) or dense (terricolous) ..... ***Evernia divaricata***