

## Globe-podded Hoary Cress (*Lepidium appelianum*)

### Description

A deep rooted, rhizomatous, long lived perennial growing up to 0.6 tall with numerous erect stems. Leaves are entire to shallowly lobed, and the upper leaves are clasping the stem. If there are hairs on the leaves, they are simple, not branched. Inflorescence is terminal and flat topped. Four petal flowers are white, with 6 anthers, four of them longer and two noticeably shorter. Fruit must be round and inflated perpendicular to the wall that divides the two halves of the fruit. Fruit usually doesn't pop open to let the seeds out. Two chambers per fruit, and each fruit chamber has 1 or 2 seeds. Each stem can produce 850 fruits. The seed pod is tipped with a "beak" which is rare for the mustard family.

### Key Identifiers

- ✓ White flat topped clusters of flowers
- ✓ Upper alternate leaves clasping stem
- ✓ Fruit, globe shaped

### Location in Canada

Found in southern Canadian provinces west of and including Manitoba.

### Resources

<http://www.invasiveplants.ab.ca/Downloads/FS-HoaryCress.pdf>

[http://keys.lucidcentral.org/keys/v3/FNWE2/key/FNW\\_Seeds/Media/Html/fact\\_sheets/Cardaria\\_pubescens.htm](http://keys.lucidcentral.org/keys/v3/FNWE2/key/FNW_Seeds/Media/Html/fact_sheets/Cardaria_pubescens.htm)

### Similar species

*Lepidium* spp - *L. chalepensis*, *L. draba*, and *L. appelianum*, can be distinguishable if they are mature and well developed. The silicles of the three species, are quite distinct.

Round and flat pod, Lens-podded Hoary Cress *L. chalepensis*.

Heart shape pod, Heart-podded Hoary Cress *L. draba*.

Round and inflated pod, Globe-podded Hoary cress *L. appelianum*.



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