




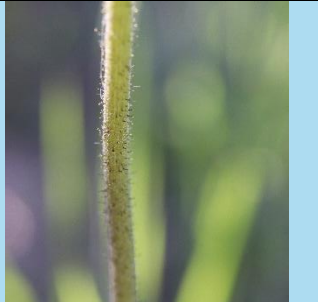






ALBERTA Invasive Species COUNCIL

Invasive Hawkweeds (*Pilosella* species) of Southern Alberta Quick Reference Guide

Name	Yellowdevil Hawkweed (<i>Pilosella glomerata</i>)	Meadow Hawkweed (<i>Pilosella caespitosa</i>)	Orange Hawkweed (<i>Pilosella aurantiaca</i>)	Tall Hawkweed (<i>Pilosella piloselloides</i>)	Queendevil Hawkweed (<i>Pilosella praealta</i>)
General	More robust plant, more flower heads and darker phyllaries (bracts). Yellowdevil most easily confused with meadow hawkweed.		Leaf hairs like meadow hawkweed.	Less robust plants, fewer flower heads, lighter coloured phyllaries (bracts). Tall most easily confused with queendevil hawkweed.	
Flowers	Yellow, 15-20 heads	Yellow, 20-50 heads	Orange, 20-50 heads	Yellow, 11-20 heads	Yellow, 15-30 heads
Stolons	Absent	Present – can be short	Present	Absent	Present - long and leafy
Leaves	Appear hairless but have short, white and star-shaped hairs, giving a rough texture.	Hairy leaves narrowing toward the base; long straight hairs above, dense tiny star shaped hairs mixed with longer hairs below	Hairy leaves with many long, pale hairs above and a mix of straight and tiny star shaped hairs below.	Like queendevil; upper surface hairless or few long, straight hairs on margins; lower leaves hairless except for a few straight hairs on the midvein.	Like tall hawkweed; upper surface hairless; lower surface with star-shaped hairs and long, straight hairs only along the midvein.
					
Stems	Short, straight and star-shaped hairs, rough feel.	Hairy; long, white and black hairs.	Hairy; long, white and black hairs.	Mostly smooth with sparse, straight hairs, mostly at the base. Has a waxy feel.	Mostly smooth with sparse, straight hairs, mostly at the base. Has a waxy feel.
					
Extent	Regionally Common	Regionally Common	Regionally Common	Regionally Common	Present in Waterton Lakes National Park

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About Invasive Hawkweeds in Alberta

Hawkweeds in Alberta are divided into two genera: *Pilosella* and *Hieracium*. Invasive hawkweeds belong to the genus *Pilosella*, while *Hieracium* includes both native and invasive species. *Pilosella* species typically form basal rosettes and have few, if any, well-developed stem leaves, in contrast to the *Hieracium* species that usually have well-developed leaves along the stem.

In the field, invasive *Pilosella* species can generally be distinguished by carefully examining the **type and density of hairs** on the stems and leaves. These hair characteristics are among the most reliable features for identification. Genetic analyses do not always reflect these visible differences, making **morphology the most practical approach** for field identification.

If you are having difficulty identifying a species using these characteristics, please contact the **Alberta Invasive Species Council** for support.

Regulated and Native Hawkweeds in Alberta

Several invasive *Pilosella* species are listed as **noxious** under Alberta's *Weed Control Regulation*, with five currently known in southern Alberta. An additional six invasive *Hieracium* species are listed as **prohibited noxious**.

Invasive <i>Pilosella</i> species (Noxious)	Invasive <i>Hieracium</i> species (Prohibited Noxious)
Kingdevil hawkweed, <i>Pilosella floribunda</i> *	Common hawkweed, <i>Hieracium lachenalia</i> *
Meadow hawkweed, <i>Pilosella caespitosa</i>	European hawkweed, <i>Hieracium sabaudum</i> *
Mouse-ear hawkweed, <i>Pilosella officinarum</i> *	Polar hawkweed, <i>Hieracium atratum</i> *
Orange hawkweed, <i>Pilosella aurantiaca</i>	Smooth hawkweed, <i>Hieracium laevigatum</i> *
Queendevil hawkweed, <i>Pilosella praealta</i>	Spotted hawkweed, <i>Hieracium maculatum</i> *
Tall hawkweed, <i>Pilosella piloselloides</i>	Wall hawkweed, <i>Hieracium murorum</i> *
Whiplash hawkweed, <i>Pilosella flagellaris</i> *	
Yellowdevil hawkweed, <i>Pilosella glomerata</i>	

*Denotes a species not known to be present in Alberta.

Alberta also has three native hawkweed species:

White hawkweed (*Hieracium albiflorum*)

Woolly hawkweed (*Hieracium scouleri*)

Narrow-leaved hawkweed (*Hieracium umbellatum*)

Key Field Distinction: Native and invasive hawkweeds can often be distinguished by the presence of stem leaves:

***Hieracium* species:** many well-developed stem leaves

***Pilosella* species:** no stem leaves, or only 2–3 near the base