

Biocontrol in Saskatchewan







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- Coordinated by SARM Plant Health Officers
- Biocontrol agent collection, release, and monitoring within SK

How to Access Biocontrol in SK?

- Leafy Spurge Beetle Collection Days at Besant
- For other biocontrol agents: Contact your Plant Health Officer
 - Have release and monitoring data
 - Help pick a suitable site for release

Leafy Spurge Flea Beetles





Aphthona sp.

Leafy Spurge Beetle Collection Days

- Open to all SK landowners, RMs, and FNBs to come collect leafy spurge beetles for release on their property
- PHOs are present to provide information and assist in packaging beetles
- Sweep nets provided
- Free to attend

Leafy Spurge Beetle Collection Days

Take place every July

- Usually first week of July (depends on beetle emergence and weather)
- Email joanne.kwasnicki @gmail.com for 2022 updates



Scentless Chamomile Seed Weevil



Omphalapion hookeri

- Seed feeder
- Can consume up to 40% of seeds/head
- Need to complete life cycle on the weed every year to survive





Scentless Chamomile Gall Midge

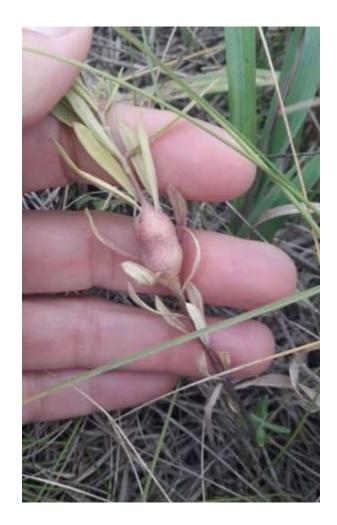
Rhopalomyia tripleurospermi

- Lay eggs and create galls on growing points
- Disrupts growth and reduce flowering

Stem Galling Toadflax Weevil

Rhinusa pilosa

- Targets yellow toadflax
- Creates galls on stems
- Takes nutrients from weed
- Currently establishing populations in NW



Houndstongue Root Weevil



Mogulones crucifer

- First SK release in 2020
- Larvae feed on roots, stunt growth and prevent seed set
- Adults feed on foliage
- Potential for rapid and widespread control

Do You Have a Suitable Release Site?

- Noxious weed infestation of more than 12 acres per quarter section of land
 - Containment around perimeter of infestation may be needed
- Weeds present in areas where herbicide application is not possible
 - Environmentally sensitive areas

How to get Biocontrols? Ask your PHO

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