BIENNIAL LIFECYCLE & TREATMENT TIMING

**YEAR 1**
Germination to rosette

- Germinating seed
- Seeds in siliquae
- Germination to rosette
- Rosette with taproot
- Flowering

**YEAR 2**
Bolting and flowering

- Seed matures then plant dies
- Flowering
- Bolting stem grows

**Treatment Options**

- **HAND PULL**
  Pulling second year plants is easier than rosettes.

- **DIG ROOT**
  Dig out root at least two inches below ground.

- **MOW**
  Mow at least once per year while flowering before seed development.

- **FOLIAR SPRAY**
  Spray leaves until bud stage.

- **WEED TORCH**
  Burn at any stage.

Monitoring and repeated management is necessary for long term control of established infestations.

---

**GARLIC MUSTARD**
Alliaria petiolata

[mda.state.mn.us/weedcontrol]