Seed matures and above ground senescence

Stem sprouts from root crown

Black-tipped bracts look like spots

Flowering Black-tipped bracts look like spots

Bolting stem grows

Rosette with taproot

Seedling

Seed

Seed matures and above ground senescence

PERENNIAL LIFECYCLE & TREATMENT TIMING

HAND PULL
Remove roots of small infestations.

DIG ROOT
Dig out roots of small infestations.

MOW
Mow at least once per year during flowering stage.

FOLIAR SPRAY
Spray rosettes or bolting plants.

BIOCONTROL
Release designated biocontrol agents on large populations.

GRAZING
Goats or sheep eat at rosette stage and bolting stage.

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

SPOTTED Knapweed
Centaurea stoebe ssp. micranothos

mda.state.mn.us/weedcontrol