

# Meadow & Spotted Knapweed

*Centaurea Jacea x nigra* & *C. biebersteinii*



## Integrated Pest Management Control Measures

### Mechanical

Mowing (timing is critical to prevent seed production) 2-3 repeated mowing are required if this method is used to control infestation.  
Pull or dig up small infestations.

### Cultural

Grazing is a long term program where sheep and goats can be very efficient.  
Sod competition helps reduce infestations by removing open spaces for plants to establish.

### Biological

Please contact our office for more information about biological insects used to help reduce infestations. Several insect species are being used in the United States.

### Chemical

*Always read herbicide label before applying*

FOLIAR SPRAY			
Chemical	Brand Names	Label Use	Calendar/Plant Stage
aminopyralid + triclopyr ester	Milestone & Milestone VM Plus	Non-cropland	Spring to fall; when plants are actively growing, rosette to bolting
MCP + 2,4D + dicamba	Ortho Weed B Gon	Turf, ornamental	Sprint to fall; rosette to bolting stage
clopyralid	Transline	Non-cropland, rangeland, permanent grass pastures	Early spring before bolting and flowering
triclopyr	Garlon 3A	Non-cropland	Spring to fall; when plants are actively growing
2,4D	Weedmaster	Non-cropland, pastures, rangeland	Early spring when plants are actively growing to just before bolting
dicamba	Banvel	Cropland, pastures, rangeland, turf & grass	Summer to fall at bud stage
glyphosate <b>Non Selective Herbicide</b>	RoundUp	Non-cropland	Spring to fall at bud stage



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