

What herbicide
to use for various
weeds. - Bill
Kleiman

For MRCP Hill Site adapted from
Nachusa list

Bill Kleiman June 25,
2022

Sorted by
common name

Weed common	Weed Scientific	Known at MRCP	Herbicide & Strategy	Comments	Importance and Difficulty
asian bushclover	Lespedeza daurica	No	triclopyr works so Crossbow, Element 3A. Dow says use: Milestone, PastureGard HL, Garlon 4 Ultra water solution. Saxton uses 1-2 oz/g G4 in water on Lespedeza cuniata. Spot spray in June sweeps once plant is noticeable. Continue sweeps through July and into August. BK found 1% Milestone browned out L daurica 2019. PastureGard seems popular w/ L cuneata.	transline does <u>not</u> work on Lespedeza. Hamilton uses Remedy(triclopyr) on L cuneata in summer and Cimarron Plus (metsulfuron met met..)in early fall.	Super High. Hard to find and keeps coming up from the seed bank. Search before vegetation obscures is a challenge. Follow map.
autumn olive, russian olive	Elaeagnus umbellata. E angustifolia	Assume yes	triclopyr works: basal bark Garlon4, foliar triclopyr too so use Crossbow, element 3A	basal bark works well	High. Once established they become abundant.
birdsfoot trefoil	Lotus corniculatus	?	Crossbow, Milestone (has residual), Transline, Element 3A. Spot spray plants. Boom large depauperate areas.		High. Seeds last a long time and emerge annually for years after adults are all gone. Need multiple visits per site annually.

black locust	Robinia pseudoacacia	?	Milestone appears to work well. Walters found 20% basal bark G4 killed 100%, and can use 2% Transline w 0.6 oz/g surfactant on small re-sprouts. Foliar dilute Roundup on all leaves works said Bill Glass.	At CCK planting there is amorphia bush which looks similar but no thorns, prickly ash has paired thorns but they are a small shrub w/ straight out w reddish hairs in leaf scar, and C milkvetch is a similar but not woody.	Medium. Big clones are lot of mass and resprout easily.
bouncing bet	Saponaria offinalis	?	Walters uses tricopyr and 24D (amine or ester depending on situation) Use 6 oz per gallon Crossbow and have generous amount of MSO for waxy leaves. G3A or glyphosate might work fine. Spray early in bloom or before bloom. Try Telar XP (Hauser) works well and has residual. Bernie used 6ml (0.2 oz) Telar in 2 g water.	Add surfactant to get past wax. Requires multiple returns. Get all rosettes.	Medium. Seed bank is long lasting and plants hard to get at on creek banks.
briars	Rubus sp.		Krenite in fall. Milestone, Opensight, Garlon 4, Crossbow, Garlon 3A.	These are typically native and we don't manage them except on lanes and fire breaks.	Low. Use on fire breaks to clear fencerows.
buckthorn	Rhamnus	Yes	basal barn Garlon 4, foliar Crossbow or Element 3A. Basal bark is an efficient method.	basal bark works well	Low. Our sandy silt loams don't support it well.
butter and eggs	Linaria vulgaris	?	Alligare Panoramic 2 SL(Imazapic). 24D (Hauser expects Milestone <u>not</u> to work on this scroph.) Crossbow might be working. Mn website says 24D works so Crossbow should work. Dow says Milesteone for Linaria dalmatica.		Medium since we have just a few outbreaks, but they have persisted our spraying.

chamomile	Anthemis cotula?	?	Likley Crossbow will work.	by corral	unknown
Common St Johnswort	Hypericum perforatum	Yes	Milestone, Opensight	Learn the native St Johnsworts before	Low.
cow Vetch	Vicia cracca	Yes	Milestone, Transline.	Seen at entrance off Route 2	Medium. They became abundant at one Nachusa unit.
crown vetch	Coronilla varia	?	Milestone 1 ounce per gallon seems to be only one working. Have tried Transline.	Check annually. Spray twice a year might do it.	Medium. Few patches here but hard to extinguish.
dames rocket		?	3% Amine triclopyr w surfactant	Spray fall to early spring rosettes (B Walters 2016)	Low. Gregarious but not spreading.
day lilly, or Scilla sp. (Siberian squill), daffodil, yellow iris	Hemerocallis fulva	Yes, Scilla at Hill between point 5 & 6. Others unknown if there.	These are all monocots with bulbs. Kleiman and Walters using 3% glyphosate with 2% Habitat on these monocots like Scilla.	Add surfactant to get past wax. Requires multiple returns. Know native blue flag iris.	Medium. Requires numerous returns.

honeysuckle or Amur honeysuckle	Lonicera maackii is what we tend to have	Yes	Apply to bark (basal bark) Garlon 4 works. Or 40% Roundup or 17% garlon 4 on cut stems. Foliar 5% Roundup on resprouts after fire works well too, before plants become taller than a foot for overspray control. Foliar Progency at 4 oz per gallon water and add 0.5% MSO. Progeny is MCPA, triclopyr and dicamba. Order from CPS. Bryon W says use Chem 90 surfactant at 0.25-0.50%. MSO rarely used. Says literature supports Chem 90 style surfactants. Walters says Escort at end of summer works.	Dormant season basal bark gives excellent control	High.
hounds tongue	Cynoglossum officinale	?	Crossbow should work, Milestone.		Low. Nuisance.
king devil	Hieracium pratense	?	Crossbow or Element 3a, Milestone. Look for nearby rosettes. Transline supposed to work before bolting.	Haul out flower in a bag. Dispose in kitchen trash.	Medium. Seed blow in the wind and hard to find them all annually.
leafy spurge	Euphorbia eschella	?	Panoramic [imazapic] Apply in spring blooms and return in fall. This is not imazapyr. See article. Dow suggests Tordon. Walters uses recommended 10% glyphosate.	blooms May and late August	High. Hard to kill. They are on right of ways in area.
mulberry	Morus alba	Yes	Garlon 4 works well. triclopyr so Crossbow or Element 3A	transline does not work. Basal bark does.	Low. A problem in certain areas where it is abundant.
oxe eye daisy	Leucanthemum vulgare, Chrysanthemum v.	?	Metsulfurone (Escort), Aminopyralid (Milestone), Aminopyralid + 2,4 D, picloram(Tordon), Transline?, Clopyralid + 2,4-D. I see Trcopyr listed but not % success. Maybe Crossbow works.	perennial	Medium.

phragmites	Phragmites australis	?	Walters using 3% aquatic glyphosate (Rodea or Aqua Neat) plus 2% imazapyr (Habitat or Polaris) plus 1/2% Aqua King surfactant.		Low as we have none currently, but it was hard to eradicate.
poison hemlock	Conium maculatum	?	Dow suggests Opensight. Telar XP works well (Hauser). Spray before flower if possible. Crossbow seems to work but before late bloom.	Blooms in June. Yes, this is poisonous!	increasing on Franklin Creek
red clover	Trifolium pratense	?	Transline, Crossbow, Element 3A	Transline works well.	A problem in new prairie plantings. We ponder its significance and persistence.
reed canary grass	Phalaris arundinacea	Yes, plenty in wet swale. Can we at least keep it contained there?	We use clethodin (Intensity). We have used aquatic glyphosate in dense stands. Walters uses 2% aquatic glyphosate with 1% imazapyr (Habitat or Polaris). Craig Annen uses ReQuest agent for neutral pH and to offset hard water. Walters using Habitat only over water as it is approved and works great 2016.	Grass herbicides way to go as sedges and forbs come back strong. But monocultures could be sprayed with glyphosate. See GRN posts by Walters and Mason.	Hard. Requires annually work.
Sericea lespedeza	Lespedeza cuneata	?	Pastureguard HL gave best results. (Pastureguard is triclopyr ester and fluroxypur ester.)	https://weedsience.misouri.edu/weedtrials/pdfs/sericea.pdf	We have few, but a difficult plant to control when abundant.
spotted knapweed	Centaurea maculata	?	Milestone. Opensight. Transline. Have used Crossbow.		Medium. We eradicated it, or almost, at HLP.

sweet clovers	Melilotus alba/officinalis	Likely	Crossbow, Milestone, Transline, Element 3A. Spade out plants anytime. Haul plants after flowering is over to remove seed source. Spray plants under two foot tall. Mow big patches when in full bloom.	Walters says Transline works well. We often use Transline until plants are robust then move to Crossbow or G3A.	Hard. Long seed bank.
teasel	Dipsacus	?	Walters says use Transline. BK notes you can pull them.		
wafer ash	Ptelium vir	Likely	Milestone says Cody	basal bark works well	Native. Usually left alone, except on fire breaks.
wild chervil	Anthriscus sylvestris	?	Transline says Ben Habethur.		At Soderholms
wild parsnip	Sativa pastinaca	Yes	Element 3A before it bolts, spade it after. Dow suggests Opensight. Spading works great but haul out plants after full flowering or you may get seed set. Mow it after it bolts helps, but before seeding. June 2021 Cody sprayed the CRP by Stafford with Pature Gard and a week out it looked unaffected. Goldenrods had wilted.	Sap on skin gives sun burn boils.	Low.
willow	Salix sp.	Yes	Cut and treat stems 50% glyphosate. Basal bark G4 should work. Foliar G3 or Crossbow.		Low, but dense stands hard to manage.
wild marjorum	Origanum vulgare	?	Milestone appears to do nothing to this mint. BK applied Crossbow 7/22/19 and expects kill.	Exotic, oregano from Europe	It is very dense where I found it so would rather not let it go all over.

CONVERSION FACTORS FOR LIQUIDS

This	Equals this	Equal this too
128 oz	1 gallon	4 quarts
8 oz	1 cup	
4 cups	32 oz	1 quart
16 oz	1 American pint	
2 pints	1 quart	
1 teaspoon	0.17 oz	
1 ml	0.034 oz	
1 oz	30 ml	