

Chemical Weed Matrix March 2019	Canada Thistle - Creeping perennial; 6-10 inches to bud or fall	Musk Thistle; Scotch Thistle & Bull Thistle - Biennial; rosette stage or fall	Russian Knapweed - Creeping perennial; bud to early flower or fall	Diffuse Knapweed; Spotted Knapweed - Biennial or simple perennial; rosette stage or fall	Field Bindweed - Creeping perennial; at full bloom or fall	Hoary Cress; Perennial Pepperweed - Creeping perennial; bolting to bud maybe bloom	Leafy Spurge - Creeping perennial; spring true flowers or fall**	Absnith Wormwood - Perennial; 12 inches to flowering or fall	Mullein - Biennial; Rosette to pre-bud or fall	Yellow Toadflax; Dalmatian Toadflax - Creeping perennial; bud to early flowering or fall	Cheatgrass (Downy Brome) - annual; early germination, maybe spring
<u>Tordon 22K</u> (Picloram)- RU No trees or water; Graze- 14D wait	1 quart/acre with NIS	1 quart/acre with NIS	1 quart/acre with NIS	1 quart/acre with NIS	1 quart/acre with NIS	NA	1 quart/acre with NIS	1 pint/acre with NIS	1 - 1.5 pints /acre w/NIS	1 quart/acre with NIS	NA
<u>Milestone</u> (aminopyralid) - Some trees; To waters edge; No irrigation; No Graze wait	5-7 oz/acre with NIS	3-5 oz/acre with NIS	4 -6 oz/acre with NIS	5-7 oz/acre with NIS	NA	NA	NA	7 oz/acre with NIS	7 oz/acre with NIS	NA	NA
<u>Curtail</u> (Clopyralid & 2,4-D) - Some trees; No water; Graze - 14 D wait	2 -3 quarts/acre with NIS	1.5-2 quarts/acre with NIS	3 quarts/acre with NIS	2 quarts/ acre with NIS	NA	NA	NA	2 quarts/ acre with NIS	NA	NA	NA
<u>Transline</u> (Clopralid) - Most trees; No water; Graze - no wait.	0.66 - 1.33 pints/acre with NIS	0.33 - 1 pints/ acre with NIS	1 - 1.33 pints /acre with NIS	0.66 - 1.33 pints/acre with NIS	NA	NA	NA	NA	NA	NA	NA
<u>2,4-D</u> - Careful trees; Maybe water = formulation; Graze - 7D wait	weak alone	1 quart/acre with NIS	weak alone	weak alone	weak alone	3 quarts/acre with NIS	2 -3 quarts/acre with NIS	weak alone	1 quart /acre w/NIS	NA	NA
<u>Clarity/Banvel</u> (Dicamba) - No trees or water; Graze - 21D wait	weak alone	1 quart/acre with NIS	weak alone	weak alone	weak alone	weak alone	weak alone	weak alone	NA	NA	NA
<u>Dicamba & 2,4-D</u> - Graze - 7D; No water or trees;	1 quart each/acre with NIS		1 quart each/acre with NIS	1 quart each/acre with NIS	1 quart each/acre with NIS		1 quart each/acre with NIS	1 quart each/acre with NIS	NA	NA	NA
<u>Glyphosate</u> (40-50%) - Trees okay; Yes water depending on label; Non-selective	2 quarts/acre	1.5 quarts/acre	NA	1.5 quarts/acre	4-5 quarts/acre	4 quarts/acre	3.3 quarts/acre; partial control		2-3 quarts/ acre	2 quarts/acre	4-5 quarts/acre
<u>Panoramic</u> (Imazapic) - Some trees; waters edge ok; No irrigation; Graze - no wait	NA	8 -10 oz/acre with MSO	8 -10 oz/acre with MSO	NA	NA	8 oz/acre with MSO	10 oz/acre with MSO	NA	NA	10 oz/acre with MSO	6-8 oz/acre with NIS
<u>Telar</u> (Chlorsulfuron) - Some trees; waters edge ok; Graze - no wait	1-2.6 oz/acre with NIS	1 oz/acre with NIS	NA	NA	NA	1 oz/acre with NIS	NA	NA	1-2.6 oz/acre with NIS	Yellow: 1.25 oz/acre with NIS; Dalmatian 2 - 2.6 oz/acre with NIS	NA
<u>Escort XP</u> (Metsulfuron) - Some trees; waters edge ok; No irrigation; Graze - no wait	1.5 to 2 oz/acre with NIS	1 to 2 oz/acre with NIS	1.5 to 2 oz/acre with NIS (suppression)	NA	NA	1 to 2 oz/acre with NIS	NA	NA	1 to 2 oz/acre with NIS	1.5 to 2 oz/acre with NIS (suppression)	NA
<u>Vista XRT</u> (Fluroxypyr) - Some trees, some water; Graze - no wait	4-6 oz Vista and 4-7 oz Milestone	4-6 oz Vista and 4-7 oz Milestone	4-6 oz Vista and 4-7 oz Milestone	4-6 oz Vista and 4-7 oz Milestone	6 oz Vista and 1/2 pint Tordon	4-6 oz Vista and 3.3 oz Opensight	23 oz /acre with MSO	NA	6 oz Vista and 1/2 pint Tordon	NA	NA

Range and Pasture Chemicals for Grasses

Trade Name	Chemical	Trees	Water	Grazing Restrictions	Haying Restrictions	Reseeding Restrictions	Newly Seeded	Notes
Tordon 22K	Picloram	No	No	Dairy = 2wks	2 weeks	3-6 months	Well est./ 2nd root ~ 60 days	max. rate is 2 qt/acre/yr. License required.
Milestone	Aminopyralid	Some	edge ok	none	none if kept on property - not for sale for 18 months	3-6 months	Well est./ 2nd root ~ 60 days	14 days to work..max. rate is 7oz/acre/yr
ForeFront HL	Aminopyralid + 2,4-D	Some	edge ok	Dairy = 7 D	7 days	3-6 months	Well est./ 2nd root ~ 60 days	max rate is 84 oz/acre/yr
Opensight	Aminopyralid + metsulfuron	Careful	edge ok	none	none if kept on property - not for sale for 18 months	3-6 months	previous growing season and fully tillered	Do not use on Timothy or other cool season grasses for hay.
Curtail	Clopyralid + 2,4-D	Careful	No	Dairy = 14 D	7 days	3-6 months	Well est./ 2nd root	max rate is 4 qts/acre/year - Do not use clippings, hay or manure for mulch for 18 months
Transline	Clopyralid	Ok	No	none	none	3-6 months	Well est./ 2nd root	max rate is 1.33 pints/acre/yr - Do not use clippings, hay or manure for mulch for 18 months
Panormaic 2SL	Imazapic	Some	edge ok	none	none	3-6 months	well est....5 leaf stage	shows symptoms slowly; max rate = 12 oz/acre
Telar XP	Chlorsulfuron	Some	edge ok	none	none	1-6 months	Well est./ 2nd root ~ 60 days	up to 3 weeks to show signs of treatment. At 1 1/3 for no restrictions. Max rate is 3 oz/acre/yr
Escort XP	Metsulfuron	Some	edge ok	none	none	1-4 months	Well est...3-4 leaf stage	up to 4 weeks to show signs of treatment max rate is 1 2/3 oz/acre/yr for no restrictions. At 3 1/3 oz/acre/yr 3 day interval
2,4-D	2,4-D	Maybe	Maybe	7 days	30 days	3 months	Well est./ 2nd root ~ 60 days	check for aquatic label max rate is 2 qts/acre/season
Clarity	Dicamba	No	No	Dairy = 21 D	51 days	90 days	Exceeds 3 leaf stage	also sold as Banvel max. rate is 64 oz (4 pints)/acre/yr
Outlaw, Weedmaster, Rangestar, Brash	Dicamba + 2,4-D	No	No	Dairy = 7 D	37 days	3 weeks and up	30-60 days	max. rate is 8 pints/acre/yr
Glyphomax	Glyphosate (41%)	Ok	near edge	8 wks after application	8 wks after application	7 days	not recommended	non-selective 7 or more days to show symptoms
E2	2,4-D, Fluroxypyr and Dicamba	No	No	Dairy - 7 D	7 days	3 weeks and up	Not indicated on the label	2 pounds of 2,4-D/acre/application. Minimum 21 days between applications. Limited to 2 applications/year. Don't use on buffalograss.
Vista XRT	Fluroxypyr	Some	some	none	7 days	4 months	Not indicated on the label	Remove meat animals eating treated forage 2 days before slaughter. Maximum use 23 oz/acre
Esplanade 200SC	Indaziflam	yes	No	Not Allowed	Not Allowed	8 months min.	Well established. 1-2 years	Do not use more than 10 oz/ 12 calendar months

** Read the label. It is the law and may change from year to year.

March 19, 2019