

Accepted Herbicide Options for Selected Noxious Weeds

Note: *The order of appearance of these products in the following list does not constitute a preference of the use of one product over the other. The products are listed alphabetically. Please select the most appropriate product for the weeds and area being treated.*

The herbicide information in this Schedule A is intended to provide general guidance for the acceptable use of federally registered herbicides providing **control** of the target weed. It is the responsibility of the applicant to ensure herbicide treatment is made according to the label and is appropriate for their specific situation. SARM and the Ministry are not responsible for the consequences of herbicide application. **Herbicide applications made contrary to the product label will not be funded. Always read and follow herbicide labels.**

Arsenal Powerline (Reg.#30203) - Active ingredient: imazapyr.

Use: May be used in bare ground treatments only. Will kill nearly all vegetation contacted. Continues to prevent the emergence of weed seedlings due to soil residues.

Cautions: Very short buffer to water on the label. Will require permit from Saskatchewan Environment.

Rate: May be applied at 1200 mL/acre (or backpack at 30 mL/1 L water).

Resistance: Several weeds have developed resistance to this class of herbicides (i.e. kochia) and will not be controlled. May be tank-mixed with glyphosate and/or *Banvel VM* for control of the weeds indicated in the table below.

<p>Eligible Noxious Weeds found on the product label:</p> <ul style="list-style-type: none"> • Yellow toadflax • Field bindweed • Bladder campion • Leafy spurge • Ox-eye daisy • Common burdock 	<p>Eligible Prohibited Weeds found on the product label:</p> <ul style="list-style-type: none"> • Giant foxtail
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Aspect (Reg#31641); **Grazon XC** (Reg#31642) – Active ingredient: picloram + 2,4-D choline salt.

Use: *Aspect* is for use in industrial areas and *Grazon XC* is for use in range and pasture areas.

Cautions: Both products have residual characteristics that may negatively impact sensitive species for one to two years after application.

Control: Both products selectively control broadleaf weeds and brush in perennial grass cover.

<p>Eligible Noxious Weeds found on the product label:</p> <ul style="list-style-type: none"> • Common burdock (1890 mL/acre) • Leafy spurge (1890 mL/acre*) • Yellow toadflax (1890 mL/acre*) <p>* As part of a yearly treatment program for four years. Must include the use of a recommended surfactant such as, <i>Gateway Adjuvant</i>, <i>Carrier Adjuvant</i>, or <i>Xiameter OFX-0309 Fluid (Aspect only)</i>. Adjuvant cost may be included in claim).</p>
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Clearview (Reg#29752); **Reclaim II** (Reg#30062) – Active ingredient: Clearview - Aminopyralid + Metsulfuron; Reclaim II - Aminopyralid + Metsulfuron + 2,4-D Ester

Use: Clearview is for use in non-crop or industrial areas (roadsides, ditches, commercial land, rights-of-way etc.) and may be used occasionally in Range and Pasture areas for control of invasive species. Reclaim II is for use in Range and Pasture only.

Surfactant: Surfactant MUST be added (such as AG-SURF, AGRAL 90 or CITOWETT PLUS) to all spray solutions listed above at **2.0 mL per 1 L** of spray solution (adjuvant cost may be included in claim).

Cautions: These products have residual characteristics that may negatively impact sensitive species for one to two years after application. Plants in the legume and sunflower families are the most sensitive to these products.

Control: Weed control claims below are for a single season only as a way to reduce seed production. Re-treatment may be required in future seasons

IPCP Eligible Weed Noxious Weed Prohibited Weed	Herbicides Registered for Control	Application Rates (per Acre)	Tank Mix Partners/notes
Absinthe, Common Tansy Oxeye Daisy (pre bud stage)	Clearview	55g	Absinthe only (2,4-D Amine @ 455gae/acre)
Field Scabious Spotted Knapweed Yellow Star-thistle	Reclaim II (A) Reclaim II (B)*	55g 0.39 L*	Range and pasture use only *PLUS an additional 0.3L/acre of 2,4-D Ester
Burdock	Reclaim II (A) Reclaim II (B)*	55g 0.39 L*	Range and pasture use only *PLUS an additional 0.3L/acre of 2,4-D Ester 700
Hoary Alyssum Perennial Pepperweed	Clearview Reclaim II (A) Reclaim II (B)*	69g 69g 0.49 L*	Range and pasture use only *PLUS an additional 0.2L/acre of 2,4-D Ester 700
Black Henbane Wild Parsnip	Clearview Reclaim II (A) Reclaim II (B)*	81 g 81g 0.57 L	Range and Pasture use only *PLUS an additional 0.12L/acre of 2,4-D Ester 700
Diffuse Knapweed	Clearview Reclaim II (A) Reclaim II (B)	93g 93g 0.69 L	Range and Pasture use only

* **Note:** Insufficient amounts of the Reclaim II B component is contained in the Reclaim II package to achieve labelled requirements for Reclaim II B in rates lower than the 93 g/acre rate of Reclaim II A. Additional 2,4-D 700 Ester must be purchased and added at the rates provided under “Tank Mix Partners/Notes” in addition to the rate of Reclaim II B that comes in the package, indicated under “Application Rates”

Dicamba (350, 480, 600) g/L formulations (various)- Active ingredient: dicamba.

Use: For use in both range and pasture as well as non-crop areas. For selective control of broadleaf weeds in perennial grass covered areas. These products may leave a residue for at least a portion of the growing season that will impact sensitive plants seeded into the area.

Cautions: These products are soluble in water and caution should be used when applying to very sandy land with shallow ground water.

Eligible Noxious Weeds found on the product label:

- Field bindweed (408 grams acid equivalent/acre at the flowering stage)

Escort (Reg#23005) – Active ingredient: metsulfuron.

Use: May be used for selective control in perennial grass areas.

Surfactant: Use the rate specified for specific species plus non-ionic surfactant (*Agral 90, Surf 92, Prosurf*, etc.) at 2.0 mL for each 1 L of spray solution (adjuvant cost may be included in claim).

Cautions: Escort has residual characteristics that may negatively impact sensitive species for four or more years after application.

Eligible Noxious Weeds found on the product label:

- Common tansy (8 g/acre)

Esplanade (Reg #23713) - Active ingredient: indazaflam.

Use: May be used in **bare ground treatments only**.

Control: Will kill nearly all vegetation emerging from seed after application. Perennial grasses may be tolerant and will require that glyphosate be added to control established grasses. Continues to prevent the emergence of weed seedlings due to soil residues.

Cautions: Very short buffer to water on the label. Will require permit from Saskatchewan environment. May be applied at 152 mL/acre.

Eligible Noxious Weeds found on the product label:

- Field bindweed

Eligible Prohibited Weeds found on the product label:

- Giant foxtail
- Yellow star-thistle

Grazon XC (see Aspect above)

Milestone (Reg#28517) – Active ingredient: aminopyralid.

Use: For use in **non-crop areas** and may be used occasionally in Range and Pasture areas for control of invasive species. **For Range and Pasture use by private landowners see Restore II.**

Control: Will control broadleaf species in permanent perennial grass areas.

Cautions: *Milestone* has residual characteristics that may negatively impact sensitive species for one to two years after application. The addition of 2,4-D 600 Amine at 1000 mL/acre will enhance control.

<p>Eligible Noxious Weeds found on the product label:</p> <ul style="list-style-type: none"> • Absinthe (<i>Milestone</i> at 200 mL/acre alone or <i>Milestone</i> at 150 mL/acre + 2,4-D 600 Amine at 770 mL/acre) • Ox-eye daisy (117 mL/acre) • Hoary cress (<i>Milestone</i> at 117 mL/acre + 2,4-D 600 Amine at 600 mL/acre) • Common tansy (<i>Milestone</i> at 200 mL/acre + 2,4-D 600 Amine at 1000 mL/acre) 	<p>Eligible Prohibited Weeds found on the product label:</p> <ul style="list-style-type: none"> • Diffuse knapweed (202 mL/acre) • Spotted knapweed (117 mL/acre) • Yellow star-thistle (117 mL/acre)
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Navius Flex (Reg#30922) – Active ingredient: aminocyclopyrachlor + metsulfuron.

Use: May be used for selective broadleaf weed control in grassy areas as well as brush at higher rates. For use on range and pasture areas as well as industrial sites such as rights of way (road, pipeline, rail), non-irrigated ditch banks, well sites, yard sites, etc.

Rate: A rate of 67.6 g/acre is recommended (8.35 g per 10 L water treats 500 sq. metres). A measuring cylinder is included in each package of *Navius Flex* and is for measuring *Navius Flex* only. Applications must be made in a minimum of 81 L/acre of water for adequate coverage.

Adjuvant: An adjuvant must be added to the spray mixture for proper activity.

Surfactant: Non-ionic surfactants (*Agral 90*, *Surf 92*, *ProSurf*, etc.) must be added at 2.5 mL per 1 L of spray solution or either *Merge* or a Crop Oil Concentrate (i.e. *Assist*, *Score*, *Superior Oil Concentrate*, etc.) must be added at 10 mL per L of spray solution (adjuvant cost may be included in claim).

Cautions: Upwind spraying must stay back 5 m from aquatic habitats and shallow water bodies less than 1 m deep or 2 m from water deeper than 1 m. Applications must stay back from sensitive land-dwelling plants by 45 m. The buffer to land-dwelling plants is not required on rights-of-way, but precautions should still be taken to avoid damage from drift. Avoid applying over the roots of trees (typically equal to the height of the tree from the trunk).

<p>Eligible Noxious Weeds found on the product label:</p> <ul style="list-style-type: none"> • Leafy spurge • Common tansy • Ox-eye daisy 	<p>Eligible Prohibited Weeds found on the product label:</p> <ul style="list-style-type: none"> • Common crupina • Giant hogweed • Knapweed (diffuse and spotted) • Yellow star-thistle
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Restore II (Reg#28517) – Active ingredient: aminopyralid and 2,4-D.

Use: For use in Range and Pasture areas for control of invasive species. **For Industrial uses see Milestone.**

Control: Will control of broadleaf species in permanent perennial grass areas.

Cautions: *Restore II* has residual characteristics that may negatively impact sensitive species for one to two years after application.

<p>Eligible Noxious Weeds found on the product label:</p> <ul style="list-style-type: none"> • Absinthe (970 mL/acre) • Burdock (970 mL/acre) • Field bindweed (970 mL/acre) • Hoary cress (970 mL/acre) • Ox-eye daisy (570 mL/acre) 	<p>Eligible Prohibited Weeds found on the product label:</p> <ul style="list-style-type: none"> • Spotted knapweed (570 mL/acre) • Yellow star-thistle (570 mL/acre)
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Tordon 22K (Reg#9005) – Active ingredient: picloram.

Use: May be used for selective control in permanent grass areas.

Rate: The maximum rate of 3600 mL/acre (90 mL/18 L of water over 100 sqm) may be applied by hand application equipment only and may only be applied to 50% of any two-acre portion of land. Rates of 1900 mL/acre may be used for applications over larger areas.

Cautions: This product is mobile in water and may leach into groundwater if applied to sandy soils overlying shallow ground water. *Tordon 22K* may also leave a residue in the soil that will impede the growth of sensitive crops for several years.

<p>Eligible Noxious Weeds found on the product label:</p> <ul style="list-style-type: none"> • Leafy spurge (3600 mL/acre rate only*) • Russian knapweed (1900 mL/acre rate) • Yellow toadflax (3600 mL/acre rate only*) • Field bindweed (3600 mL/acre rate only*) <p>* Note: the 3600 mL/acre rate is only to be applied to one half of each two acre area)</p>	<p>Eligible Prohibited Weeds found on the product label:</p> <ul style="list-style-type: none"> • Diffuse or spotted knapweed (910 mL/acre rate)
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TruRange (Reg#33964) - Active Ingredient: Metsulfuron-methyl and Aminocyclopyrachlor

Use: For use in Range and Pasture areas for control of invasive species. **For industrial uses see Navius Flex.**

Control: For best results apply to young, actively growing weeds. Up to 24-month residual.

Rate: 167g/ha or 68g/acre

Surfactant: Add a recommended surfactant (non-ionic surfactant at 0.25% v/v or 2.5 L/1000 L spray solution or crop oil concentrate at 1% v/v or 10 L /1000 L spray solution or Merge Adjuvant* at 1% v/v or 10 L/1000 L spray solution or Crop Oil Concentrate at 1% v/v or 10L/1000L spray solution).

Cautions: Avoid application of product where roots of desirable trees/shrubs or vegetation may extend unless injury or loss can be tolerated. Avoid over spraying and drift to aquatic habitats. Observe buffer zones. Do not use on lawns or turf. Runoff or low rates may injure or kill agricultural crops or sensitive species. Avoid application where soils are permeable (ex:sandy soils) and/or areas where the water table is shallow.

<p>Eligible Noxious Weeds found on the product label:</p> <ul style="list-style-type: none"> • Common tansy • Leafy spurge • Ox-eye daisy • Wild parsnip 	<p>Eligible Prohibited Weeds found on the product label:</p> <ul style="list-style-type: none"> • Spotted knapweed • Diffuse knapweed • Giant hogweed
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Truvis^t* (Reg#30920) – Active ingredient: aminocyclopyrachlor + chlorsulfuron.

***Note:** *Truvis^t is no longer being manufactured so supplies may be limited*

Use: May be used for selective broadleaf weed control in grassy areas or mixed with non-selective soil persistent herbicides for bare ground sites. *Only for use on industrial sites such as rights of way (road, pipeline, rail), non-irrigated ditch banks, well sites yard sites, etc. – may not be used in range or pasture. Do not allow treated areas to be cut for hay or grazed by livestock this product is not registered for this use.*

Rate: A rate of 68 g/acre is recommended (8.4 g per 10 L water treats 500 sq. metres). A measuring cylinder is included in each package of *Truvis^t* and is for measuring *Truvis^t* only. Applications must be made in a minimum of 81 L/acre of water for adequate coverage.

Adjuvant: An adjuvant must be added to the spray mixture for proper activity

Surfactant: Non-ionic surfactants (*Agral 90, Surf 92, ProSurf, etc.*) must be added at 2.5 mL per 1 L of spray solution or either *Merge* or a Crop Oil Concentrate (i.e. *Assist, Score, Superior Oil Concentrate, etc.*) must be added at 10 mL per 1 L of spray solution (adjuvant cost may be included in claim).

Cautions: Spraying must stay back 2 m from aquatic habitats and shallow water bodies less than 1 m deep or 1 m from water deeper than 1 m. Applications must stay back from sensitive land-dwelling plants by 25 m. The buffer to land-dwelling plants is not required on rights-of-way, but precautions should still be taken to avoid damage from drift. Avoid applying over the roots of trees (typically equal to the height of the tree from the trunk).

Eligible Noxious Weeds found on the product label:	Eligible Prohibited Weeds found on the product label:
<ul style="list-style-type: none"> • Leafy spurge • Common tansy • Field bindweed • Ox-eye daisy • Bladder campion • Wild parsnip 	<ul style="list-style-type: none"> • Common crupina • Giant hogweed • Halogeton • Knapweed (diffuse and spotted) • Perennial pepperweed • Wild chervil • Yellow star-thistle

Prohibited Weeds

Prohibited Weeds are either not currently in Saskatchewan or are only recently introduced and very rare. For this reason, prohibited weeds may not have registered control options developed in Canada yet. **Herbicide applicators (including producers/other stakeholders) must apply only eligible herbicide options listed in the current CAP-IPCP Schedule A to Prohibited Weed species.** If any other herbicide listed on the Schedule A is not also listed in this document for use on the Prohibited Weed species of interest, the applicator **MUST CONSULT** with the SMA Provincial Weed Control Specialist prior to any application. Failure to consult will risk the claim being ineligible for rebate. ***NOTE- RMs will be required to submit a copy of the email sent by the SMA Weed Control Specialist as confirmation of consultation on prohibited weeds and recommendation of the alternative herbicide used.***

It is essential that prohibited weeds are discovered as soon as possible after they enter the province, quarantined when they are found, and eradicated using the most effective means possible, to prevent them from gaining a foothold. **In accordance with *The Weed Control Act*, municipalities are required to notify Crops and Irrigation Branch upon the discovery of a prohibited weed and at that time an appropriate control option will be investigated and approved.**

For control options for Prohibited Weeds or assistance in confirming identification, please contact the Provincial Weed Specialist at: (306) 787-4673 or Clark.Brenzil@gov.sk.ca.

(1) The following plants are designated as Prohibited Weeds in Saskatchewan:

<u>Common Name</u>	<u>Botanical Name</u>
barberry, common	<i>Berberis vulgaris</i> L.,
bartsia, red	<i>Odontites serotina</i> Dum.
chervil, wild	<i>Anthriscus sylvestris</i> (L.) Hoffm.
crupina, common	<i>Crupina vulgaris</i> Cass.
cupgrass, woolly	<i>Eriochloa villosa</i> (Thunb.) Kunth
darnel	<i>Lolium temulentum</i> L.
foxtail, giant	<i>Setaria faberi</i> Herrm.
goatgrass, jointed	<i>Aegilops cylindrical</i> Host
halogeton	<i>Halogeton glomeratus</i> (M. Bieb.) C.A. Mey.
hemlock, poison	<i>Conium maculatum</i> L.
hogweed, giant	<i>Heracleum mantegazzianum</i> Sommier & Levier
hound's-tongue	<i>Cynoglossum officinale</i> L.
knawweed, diffuse	<i>Centaurea diffusa</i> Lam.
knawweed, spotted	<i>Centaurea stobe</i> L.(= <i>Centaurea biebersteinii</i> DC)
knawweed, squarrose	<i>Centaurea virgata</i> Lam.
mustard, garlic	<i>Allaria petiolata</i> (M. Bieb.) Cavara & Grande
pepperweed, perennial	<i>Lepidium latifolium</i> L.
pondweed, curly-leaved	<i>Potamogeton crispus</i> L.
puncturevine	<i>Tribulus terrestris</i> L.
rue, African	<i>Peganum harmala</i> L.
rush, flowering	<i>Butomus umbellatus</i> L.
saltcedar	<i>Tamarix</i> sp
scabious, field	<i>Knautia arvensis</i> (L.) Coult.
star-thistle, yellow	<i>Centaurea solstitialis</i> L.
toadflax, Dalmatian	<i>Linaria dalmatica</i>
water-milfoil, Eurasian	<i>Myriophyllum spicatum</i> L.
floating heart, yellow	<i>Nymphoides peltata</i> (S.G. Gmel.) Kuntze

Invasive Plant Control Program (IPCP) Reference Table*

IPCP Eligible Noxious Weeds	IPCP Accepted Herbicide
Absinthe	<ul style="list-style-type: none"> • Clearview • Reclaim II (<i>range and pasture areas only</i>) • Milestone • Restore II (<i>range and pasture areas only</i>)
Field bindweed	<ul style="list-style-type: none"> • Arsenal Powerline (<i>bare ground treatments only</i>) • Dicamba • Esplanade (<i>bare ground treatments only</i>) • Restore II (<i>range and pasture areas only</i>) • Tordon 22K • Truvist (<i>industrial areas only</i>)
Common burdock	<ul style="list-style-type: none"> • Arsenal Powerline (<i>bare ground treatments only</i>) • Aspect (<i>industrial areas only</i>) • Grazon XC (<i>range and pasture areas only</i>) • Reclaim II (<i>range and pasture areas only</i>) • Restore II (<i>range and pasture areas only</i>)
Bladder campion	<ul style="list-style-type: none"> • Arsenal Powerline • Truvist (<i>industrial areas only</i>)
Ox-eye daisy	<ul style="list-style-type: none"> • Arsenal Powerline (<i>bare ground treatments only</i>) • Clearview • Reclaim II (<i>range and pasture areas only</i>) • Milestone • Navius Flex • Restore II (<i>range and pasture areas only</i>) • TruRange (<i>range and pasture areas only</i>) • Truvist (<i>industrial areas only</i>)
Black henbane	<ul style="list-style-type: none"> • Clearview • Reclaim II (<i>range and pasture areas only</i>)
Hoary cress	<ul style="list-style-type: none"> • Milestone • Restore II (<i>range and pasture areas only</i>)
Hoary alyssum	<ul style="list-style-type: none"> • Clearview • Reclaim II (<i>range and pasture areas only</i>)
Leafy spurge	<ul style="list-style-type: none"> • Arsenal Powerline (<i>bare ground treatments only</i>) • Aspect (<i>industrial areas only</i>) • Grazon XC (<i>range and pasture areas only</i>) • Navius Flex • Tordon 22K • TruRange (<i>range and pasture areas only</i>) • Truvist (<i>industrial areas only</i>)
Russian knapweed	<ul style="list-style-type: none"> • Tordon 22K
Yellow toadflax	<ul style="list-style-type: none"> • Arsenal Powerline (<i>bare ground treatments only</i>) • Aspect (<i>industrial areas only</i>) • Grazon XC (<i>range and pasture areas only</i>) • Tordon 22K
Common tansy	<ul style="list-style-type: none"> • Clearview • Reclaim II (<i>range and pasture areas only</i>)

Common tansy (continued)	<ul style="list-style-type: none"> • Escort (<i>perennial grass areas only</i>) • Milestone • Navius Flex • TruRange (<i>range and pasture areas only</i>) • Truvist (<i>industrial areas only</i>)
Wild parsnip	<ul style="list-style-type: none"> • Clearview • Reclaim II (<i>range and pasture areas only</i>) • TruRange (<i>range and pasture areas only</i>) • Truvist (<i>industrial areas only</i>)
Prohibited Weeds	IPCP Accepted Herbicide
Wild chervil	<ul style="list-style-type: none"> • Truvist (<i>industrial areas only</i>)
Common crupina	<ul style="list-style-type: none"> • Navius Flex • Truvist (<i>industrial areas only</i>)
Giant foxtail	<ul style="list-style-type: none"> • Arsenal Powerline (<i>bare ground treatments only</i>) • Esplanade (<i>bare ground treatments only</i>)
Halogeton	<ul style="list-style-type: none"> • Truvist (<i>industrial areas only</i>)
Giant hogweed	<ul style="list-style-type: none"> • Navius Flex • TruRange (<i>range and pasture areas only</i>) • Truvist (<i>industrial areas only</i>)
Diffuse knapweed	<ul style="list-style-type: none"> • Clearview • Reclaim II (<i>range and pasture areas only</i>) • Milestone • Navius Flex • Tordon 22K • TruRange (<i>range and pasture areas only</i>) • Truvist (<i>industrial areas only</i>)
Spotted knapweed	<ul style="list-style-type: none"> • Clearview • Reclaim II (<i>range and pasture areas only</i>) • Milestone • Navius Flex • Restore II (<i>range and pasture areas only</i>) • Tordon 22K • TruRange (<i>range and pasture areas only</i>) • Truvist (<i>industrial areas only</i>)
Perennial pepperweed	<ul style="list-style-type: none"> • Clearview • Reclaim II (<i>range and pasture areas only</i>) • Truvist (<i>industrial areas only</i>)
Field Scabious	<ul style="list-style-type: none"> • Clearview • Reclaim II (<i>range and pasture areas only</i>)
Yellow star-thistle	<ul style="list-style-type: none"> • Clearview • Reclaim II (<i>range and pasture areas only</i>) • Esplanade (<i>bare ground treatments only</i>) • Milestone • Navius Flex • Restore II (<i>range and pasture areas only</i>) • Truvist (<i>industrial areas only</i>)

*Table is for reference purposes only. Please refer to the full list of acceptable herbicides in Schedule A for more

*information, including allowable application rates and surfactant/adjuvant requirements. The herbicide information in this Schedule A is intended to provide general guidance for the acceptable use of federally registered herbicides providing **control** of the target weed. It is the responsibility of the applicant to ensure herbicide treatment is made according to the label and is appropriate for their specific situation. SARM and the Ministry are not responsible for the consequences of herbicide application. Herbicide applications made contrary to the product label **will not** be funded. Always read and follow herbicide labels.*