



Reclaim™ Herbicide Tank-Mix

GROUP	4	HERBICIDE
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GROUP	2	HERBICIDE
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Reclaim Herbicide Tank-Mix provides extended control of western snowberry (buckbrush), prairie wild rose, shrubby cinquefoil, silverberry (wolf willow), Canada thistle, dandelion, pasture sage (fringed sage) and prairie sage in rangeland and permanent pasture.

Emulsifiable Concentrate

COMMERCIAL

READ THE LABEL AND BOOKLET BEFORE USING
KEEP OUT OF REACH OF CHILDREN

This co-package contains:

Reclaim A Herbicide

REGISTRATION NO. 29751 PEST CONTROL PRODUCTS ACT

GUARANTEE: Aminopyralid, present as potassium salt 52.50%

Metsulfuron-methyl 9.45%

Warning, contains the allergen sulphites

Reclaim B Herbicide

REGISTRATION NO. 29750 PEST CONTROL PRODUCTS ACT

GUARANTEE: 2,4-D, present as 2-ethylhexyl ester: 564 g/L

WARNING  **POISON**

CAUSES IRRITATION OF SKIN AND EYES

NET CONTENTS: Reclaim A Herbicide 1 kg - 450 kg
Reclaim B Herbicide 1 L - 450 L

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T2P 5H1

1-800-667-3852

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PRECAUTIONS

CAUSES IRRITATION OF SKIN AND EYES

DO NOT GET IN EYES

AVOID CONTACT WITH SKIN AND CLOTHING

KEEP OUT OF REACH OF CHILDREN

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., visit CropLife Canada's web site at www.croplife.ca.

PROTECTIVE CLOTHING AND EQUIPMENT

All Application Equipment

- Mixers/loaders must wear coveralls over a long-sleeved shirt, long pants and chemical-resistant gloves.
- When handling more than 470 L per day of Reclaim B Herbicide workers must also use a closed system.

Application Using Handheld Equipment

- Applicators must wear coveralls over a long-sleeved shirt, long pants and chemical-resistant gloves.
- Refer to Directions for Use section for use-specific application equipment that may be required.
- Maximum amount of Reclaim B Herbicide applied/day/person with handheld equipment: 4.1 L for broadleaved weed control and 12.1 L for shrub control.
- Additional protective equipment required for shrub control with handheld equipment: wear a respirator when applying more than 7.6 L Reclaim B Herbicide/day/person.
- **Worker reentry** – Do not enter or allow worker entry to treated area for 12 hours following application.

Application Using Aerial Equipment

- Applicators must wear coveralls over a long-sleeved shirt and long pants. Chemical-resistant gloves must also be worn during clean-up and repair activities.
- No human flaggers are permitted.

Application Using Groundboom Equipment

Applicators must wear coveralls over a long-sleeved shirt and long pants. Chemical-resistant gloves must also be worn during clean-up and repair activities

Refer to Directions for Use section for any additional requirements.

MIXING

For containers larger than 20L, use a transfer system that avoids open pouring when transferring the liquid concentrate from such containers into the spray tank.

SPRAY DRIFT PRECAUTIONS

Apply only when the potential for drift to areas of human habitation or areas of human activity such as houses, cottages, schools and recreational areas is minimal. Take into consideration wind speed, wind direction, temperature, application equipment and sprayer settings.

OPERATOR USE PRECAUTIONS

- Wear freshly laundered clothing and clean protective equipment daily.
- Rinse gloves before removal.
- Wash hands before eating, drinking, using tobacco or using the toilet.

- If herbicide penetrates clothing remove immediately; then wash thoroughly and put on clean clothing. Throw away clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate.
- After using this product, remove clothing and launder separately, and promptly and thoroughly wash hands and exposed skin with soap and water. Follow manufacturer's instructions for cleaning personal protective clothing and equipment. If no such instructions for washables are provided, use detergent and hot water. Keep and wash personal protective equipment separate from household laundry.
- After work, remove all clothing and shower using soap and water.

FIRST AID

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

If swallowed: Call a poison control centre or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give **any** liquid to the person. Do not give anything by mouth to an unconscious person.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

TOXICOLOGICAL INFORMATION

No specific antidote. Employ supportive care. Treatment should be based on judgement of the physician in response to reactions of the patient. This product may cause mild irritation to the eyes. Overexposure to 2,4-D may cause coughing, burning, dizziness or temporary loss of muscle coordination. Other possible effects of overexposure include fatigue, muscle weakness or nausea. Treat symptomatically.

AGRICULTURAL CHEMICAL

Do not ship or store with food, feeds, drugs or clothing.

ENVIRONMENTAL HAZARDS

- Toxic to small mammals, birds, aquatic organisms and non-target terrestrial plants.
- Observe buffer zones specified under DIRECTIONS FOR USE.
- This product will harm other broadleaved plants in the vicinity of the treatment area. If applying this product using a handheld sprayer, do not directly spray or allow the spray to drift onto ornamentals or gardens.
- Do not spray exposed roots of trees and ornamentals.
- This product contains active ingredients and aromatic petroleum distillates which are toxic to aquatic organisms.

LEACHING

The use of this chemical may result in contamination of groundwater particularly in areas where soils are permeable (e.g. sandy soil) and/or the depth to the water table is shallow.

RUNOFF

- To reduce runoff from treated areas into aquatic habitats avoid application to areas with moderate to steep slope, compacted soil, or clay.
- Avoid application of this product when heavy rain is forecast.
- Contamination of aquatic areas as a result of runoff may be reduced by including a strip of untreated vegetation between the treated area and the edge of the water body.

STORAGE

This product must be stored away from fertilizers, seeds, insecticides, fungicides or other herbicides intended for use on 2,4-D sensitive crops.

USE

When the container is empty, triple rinse and add the rinse water to the spray tank. Care must be taken during application to avoid contaminating irrigation ditches or domestic water supplies. Avoid using sprayers which contained 2,4-D to apply other pesticides to sensitive crops.

DISPOSAL

Recyclable containers:

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

Returnable containers:

Do not reuse this container for any purpose. For disposal, this empty container may be returned to the point of purchase (distributor/dealer).

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

NOTE: Local conditions may affect the use of herbicides. Provincial agricultural authorities issue recommendations to fit local conditions. Be sure that use of this product conforms to all applicable regulations.

If this product is exposed to temperatures below -20°C, it should be warmed to at least 5°C and mixed thoroughly before using.

GENERAL INFORMATION

Reclaim Herbicide Tank-Mix, provides extended control, up to 24 months after application, of, prairie wild rose, shrubby cinquefoil, , Canada thistle, dandelion, pasture sage (fringed sage) and prairie sage . Reclaim Herbicide Tank-Mix is applied as a post emergent spray on rangeland and permanent pasture. Applications should be avoided under cold, dry conditions or other environmental stresses. **Read all precaution statements before using this product.** For more information contact your local Dow AgroSciences Canada Inc. representative (1-800-667-3852).

For best results, apply Reclaim Herbicide Tank-Mix to plants that are actively growing at time of application.

GENERAL USE PRECAUTIONS

Reclaim Herbicide Tank-Mix is selective and highly active against broadleaf and woody plants. This product is recommended for use on areas where loss of broadleaf forage plants, including legumes, can be tolerated. Injury to or loss of desirable plants may result unless the following precautions are observed. Do not apply or drain or flush equipment on or near desirable vegetation or on areas where their roots may extend or in locations where the chemical may be washed or moved into contact with their roots.

Do not apply more than 230 grams per hectare of Reclaim A Herbicide per annual growing season in rangeland, pasture, industrial and other non-crop areas.

Only one application per growing season is permitted, and areas treated should not be treated again the following year.

Apply Reclaim Herbicide Tank-Mix with a recommended surfactant.

Reclaim Herbicide Tank-Mix cannot be applied on domestic or commercial turf grass.

Hay cut from treated grass, in the year of application, should only be used on-farm to feed livestock. The manure or compost from animals fed the treated hay should only be used on registered use sites where the loss of broadleaf forage plants, including legumes, can be tolerated. Contact Dow AgroSciences Canada Inc. for additional information on sensitive broadleaf plant species.

DO NOT apply this product directly to freshwater habitats such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands, estuaries or marine habitats.

DO NOT contaminate irrigation/drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

Tank Mixtures

Do not mix or apply this product with any other additive, pesticide or fertilizer except as specifically recommended on this label.

DIRECTIONS FOR USE

READ ALL DIRECTIONS CAREFULLY BEFORE APPLYING. FAILURE TO FOLLOW LABEL INSTRUCTIONS MAY RESULT IN ERRATIC WEED CONTROL.

As this product is not registered for the control of pests in aquatic systems, DO NOT use to control aquatic pests.

Field sprayer application

DO NOT apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE) coarse classification. Boom height must be 60 cm or less above the crop or ground.

Aerial application

DO NOT apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply when wind speed is greater than 16 km/h at flying height at the site of application. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE) coarse classification. To reduce drift caused by turbulent wingtip vortices, the nozzle distribution along the spray boom length **MUST NOT** exceed 65% of the wing- or rotorspan.

Buffer zones

Use of the following spray methods or equipment **DO NOT** require a buffer zone: hand-held or backpack sprayer and spot treatment.

The buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive terrestrial habitats (such as grasslands, forested areas, shelter belts, woodlots, hedgerows, riparian areas and shrublands), sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands) and estuarine/marine habitats.

Method of application	Crop		Buffer Zones (metres) Required for the Protection of:	
			Freshwater Habitat	Terrestrial habitat
Field sprayer*	Permanent pasture and rangeland		10	15
Aerial	Permanent pasture and rangeland	Fixed wing (coarse)	175	750
		Rotary wing (coarse)	150	650
		Fixed wing (coarse to very coarse)	125	475
		Rotary wing (coarse to very coarse)	100	325
		Fixed wing (very coarse)	100	375
		Rotary wing (very coarse)	90	225
		Fixed wing (very coarse to extremely coarse)	80	250
		Rotary wing (very coarse to extremely coarse)	70	175

*For field sprayer application, buffer zones can be reduced with the use of drift reducing spray shields. When using a spray boom fitted with a full shield (shroud, curtain) that extends to the crop canopy, the labelled buffer zone can be reduced by 70%. When using a spray boom where individual nozzles are fitted with cone-shaped shields that are no more than 30 cm above the crop canopy, the labelled buffer zone can be reduced by 30%.

RANGELAND AND PERMANENT PASTURE

Reclaim Herbicide Tank-Mix

Apply to rangeland and permanent pasture when targeted undesirable vegetation is actively growing. Only weeds and shrubs present at the time of application will be controlled*. Apply using aerial equipment with a minimum of 30 litres spray volume/ha or ground equipment with a minimum of 110 L spray volume/ha, that will assure uniform coverage. For better coverage use 50 litres/ha for aerial application and 200 litres/ha for ground application. Follow all instructions under Mixing Methods for surfactant requirements and order of mixing.

*Weeds and shrubs that emerge following application will not be controlled.

Application Rate

Apply 200 g/ha of Reclaim A Herbicide and 1.7 L/ha of Reclaim B Herbicide.

Extended Control – 24 Months After Application

The following broadleaf weeds, invasive plants and shrubs will be controlled for 24 months after application.

Silverberry (wolf willow) and western snowberry (buckbrush), prairie wild rose, Canada thistle, dandelion, pasture sage (fringed sage).

Application Rate

Apply 230 g/ha of Reclaim A Herbicide and 2 L/ha of Reclaim B Herbicide.

Extended Control – 24 Months After Application

The following broadleaf weeds, invasive plants and shrubs will be controlled for 24 months after application.

prairie sage

shrubby cinquefoil

Preharvest/Grazing Intervals

- There is no restriction on livestock (except lactating dairy animals) grazing in treated areas.
- Do not permit lactating dairy animals to graze fields within 7 days after application.
- Do not harvest forage or cut hay within 30 days after application.
- Withdraw meat animals from treated fields at least 3 days before slaughter.
- Allow 3 days of grazing on an untreated pasture (or feed untreated hay) before transferring livestock to areas where sensitive broadleaf crops may be grown.

MIXING METHODS

Mixing with Water

1. Fill the spray tank 3/4 full of clean water
2. Add the required amount of Reclaim A Herbicide with the agitation running. Pre-slurrying with water may be necessary where there is little or no agitation or an injection system is being used or where herbicide is first added to a tank other than the spray tank.
3. Add the required amount of Reclaim B Herbicide with the agitation running.
4. Add the recommended surfactant (such as AG-SURF, AGRAL 90¹ or CITOWETT² PLUS) at 0.2% v/v or 2 litres per 1000 litres of spray solution
5. Add antifoaming agent, if required.

APPLICATION METHODS

Individual Plant Treatments (or Spot/Strip applications)

Mix Reclaim Herbicide Tank-Mix with enough water and surfactant to make the correct amount of spray solution. Follow the directions provided above for Mixing with Water. Use equipment designed for individual plant or spot/strip application, backpack sprayers or hose and handgun, to spray weeds and shrubs. Thoroughly and uniformly wet the foliage of all target plants but not to the point of runoff. No aquatic or terrestrial buffer zones are required for individual plant or spot/strip applications. Direct spray away from aquatic habitats and non-target sensitive terrestrial plants. Do NOT apply this product directly to fresh water habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands), estuaries or marine habitats.

Maximum amount of Reclaim B Herbicide applied/day/person with handheld equipment: 4.1 L for broadleaved weed control and 12.1 L for shrub control.

Additional protective equipment required for shrub control with handheld equipment: wear a respirator when applying more than 7.6 L Reclaim B Herbicide/day/person.

Invasive Plant Management

Early detection and control is a key strategy to prevent the spread of invasive plants. Individual plant treatments or spot/strip applications with Reclaim Herbicide Tank-Mix on invasive species (susceptible species listed under Application Rates) can be effective in an integrated pest management (IPM) plan. To maximize and extend the benefits of weed/shrub control by Reclaim Herbicide Tank-Mix, other vegetation management practices, such as grazing management, fertilization, prescribed fire, mechanical mowing, hand-pulling, biocontrol and other methods, can be used in appropriate sequences and combinations. Consult local agriculture and land management specialists and invasive plant councils for guidance on best management practices for IPM.

Broadcast Treatment (Ground and Aerial Applications)

Applications of Reclaim Herbicide Tank-Mix may be made once grasses are well-established (have developed a good secondary root system and show good vigour).

(1) Ground Application

Using ground equipment, apply Reclaim Herbicide Mix as a broadcast treatment to control listed broadleaf weeds, invasive plants and shrubs. Apply Reclaim Herbicide Tank-Mix at the recommended rates in a minimum spray volume of 110 L/ha. For better coverage use 200 L/ha. Use the best available application strategies which minimize off-site drift, including meteorological conditions (e.g., wind directions, low wind speed) and spray equipment (e.g., coarse droplet sizes, minimizing height above canopy), should be used. Follow all instructions under Mixing Methods for surfactant requirements and order of mixing.

DO NOT apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply with spray droplets smaller than the ASAE coarse classification.

(2) Aerial Application

Use Reclaim Herbicide Tank-Mix as a broadcast treatment by air to control listed broadleaf weeds, invasive plants and shrubs. Apply Reclaim Herbicide Tank-Mix at the recommended rates in a minimum spray volume of 30 L/ha by air. For better coverage use 50 litres/ha. Use the best available application strategies which minimize off-site drift, including meteorological conditions (e.g., wind directions, low wind speed) and spray equipment (e.g., coarse droplet sizes, minimizing height above canopy), should be used. Follow all instructions under Mixing Methods for surfactant requirements and order of mixing.

DO NOT apply during periods of dead calm. Avoid application of this product when winds are gusty. DO NOT apply when wind speed is greater than 16 km/h at flying height at the site of application. DO NOT apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE) coarse classification. To reduce drift caused by turbulent wingtip vortices, the nozzle distribution along the spray boom length MUST NOT exceed 65% of the wing- or rotorspan.

Apply only by fixed-wing or rotary aircraft equipment which has been functionally and operationally calibrated for the atmospheric conditions of the area and the application rates and conditions of this label.

Label rates, conditions and precautions are product specific. Read and understand the entire label before opening this product. Apply only at the rate recommended for aerial application on this label. Where no rate for aerial application appears for the specific use, this product cannot be applied by any type of aerial equipment.

Ensure uniform application. To avoid streaked, uneven or overlapped application, use appropriate swath marking devices.

Apply only when meteorological conditions at the treatment site allow for complete and even coverage. Apply only under conditions of good practice specific to aerial application as outlined in the National Aerial Pesticides Application Manual, developed by the Federal/Provincial/Territorial Committee on Pest Management and Pesticides.

Operator Precautions

Do not allow the pilot to mix chemicals to be loaded onto the aircraft. Loading of premixed chemicals with a closed system is permitted.

It is desirable that the pilot have communication capabilities at each treatment site at the time of application.

The mixer/loaders must wear chemical resistant gloves, coveralls and goggles or face shield during mixing/loading, cleanup and repair. Follow the more stringent label precautions in cases where the operator precautions exceed the generic label recommendations on the existing ground boom label.

All personnel on the job site must wash hands and face thoroughly before eating and drinking. Protective clothing should be laundered regularly.

Product Specific Precautions

Read and understand the entire label before opening this product. If you have questions, call the manufacturer at 1-800-667-3852 or obtain technical advice from the distributor or your provincial agricultural representative. Application of this specific product must meet and/or conform to the following:

Avoid spray drift at the application site. The interaction of many equipment-and-weather-related factors determine the potential for spray drift. Users are responsible for considering all these factors when making decisions.

The following drift management requirements must be followed to avoid off-target drift movement from aerial applications:

1. The distance of the outer most operating nozzles on the boom must not exceed 75% of the length of the wingspan or rotor.
2. Nozzles must always point backward parallel with the air stream and never be pointed downwards more than 45 degrees.

SPRAYER CLEAN-OUT INSTRUCTIONS

Do not use spray equipment used to apply Reclaim Herbicide Tank-Mix for other applications to land planted to, or to be planted to susceptible crops or desirable sensitive plants, unless it has been determined that all residue of this herbicide has been removed by thorough cleaning of equipment.

Equipment used to apply Reclaim Herbicide Tank-Mix should be thoroughly cleaned before reusing to apply any other chemicals by following the procedure listed below.

1. Rinse and flush application equipment thoroughly after use. Dispose of rinse water in non-cropland area away from water supplies.
2. Rinse a second time, adding 1 litre of household ammonia or tank cleaning agent for every 1000 L of water. Circulate the solution through the entire system so that all internal surfaces are contacted (15 to 20 minutes). Let the solution stand for several hours, preferably overnight.
3. Flush the solution out the spray tank through the boom.
4. Rinse the system twice with clean water, recirculating and draining each time.
5. Nozzles and screens should be removed and cleaned separately.

RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, Reclaim Herbicide Tank-Mix contains Group 2 and Group 4 herbicides. Any weed population may contain or develop plants naturally resistant to Reclaim Herbicide Tank-Mix or other Group 2 and Group 4 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same area. Other resistance mechanisms that are not linked to site of action, but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay herbicide resistance:

- Where possible, rotate the use of Reclaim Herbicide Tank-Mix or other Group 2 and Group 4 herbicides with different herbicide groups that control the same weeds in a given treatment area.
- Use tank mixtures with herbicides from a different group when such use is permitted.
- Herbicide use should be based on an IPM program that includes scouting, historical information related to herbicide use, cultural, biological and other chemical control practices.
- Monitor treated weed populations for resistance development.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.
- For further information or to report suspected resistance, contact Dow AgroSciences Canada Inc. at 1-800-667-3852.

NOTICE TO USER: This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

¹AGRAL is a registered trademark of a Syngenta Group Company

²CITOWETT PLUS is a registered trademark of BASF AG, used under license by BASF Canada Inc.

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Replaces: CN-29751 29750-001-E

Specimen Label notes:

Mixing chart deleted