



Dow AgroSciences
Prevail* Adjuvant

- This spray tank adjuvant must only be used in the Prevail Liquid Herbicide Tank-Mix.
- For sale for use only in the prairie provinces and Peace River region of British Columbia.

AGRICULTURAL

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

GUARANTEE: mineral oil	50.0%
surfactant blend	39.5%

REGISTRATION NO. 23527 PEST CONTROL PRODUCTS ACT

WARNING: SKIN IRRITANT AND EYE IRRITANT

NET CONTENTS: 4 L

Dow AgroSciences Canada Inc.
Suite 201, 1144 - 29 Avenue N.E.
Calgary, Alberta
T2E 7P1
1-800-667-3852

*Trademark of Dow AgroSciences LLC

PRECAUTIONS

Do not breathe spray mist. Keep product away from fire, open flame, lighted electric bulbs and other sources of heat. Do not allow water to be introduced to contents of this container. May cause skin and eye irritation. Do not get on skin or eyes. Wear chemical-resistant gloves when handling.

DO NOT APPLY BY AIR

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 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.

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 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.

TOXICOLOGICAL INFORMATION

This product contains materials that may cause severe pneumonitis if aspirated. If ingestion has occurred less than 2 hours earlier, carry out careful gastric lavage. Treat symptomatically. Treat symptomatically for skin and eye irritation. This product contains a petroleum distillate.

AGRICULTURAL CHEMICAL

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

STORAGE

Store away from food, feed and all sources of heat. Keep container closed. Do not allow water to be introduced to the contents of this container.

DISPOSAL

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.

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.

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.

 **Dow AgroSciences**
Prevail* Liquid
Herbicide Tank-Mix

GROUP	1	4	HERBICIDES
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•Prevail Liquid Herbicide Tank-Mix is a single pass liquid postemergence herbicide tank-mix for use in wheat and barley to control wild oats, green foxtail, Canada thistle, sow-thistle, other grass and broadleaved weeds. **The contents of this carton will treat 8 hectares.**

•**FOR SALE FOR USE ONLY IN THE PRAIRIE PROVINCES AND PEACE RIVER REGION OF BRITISH COLUMBIA.**

AGRICULTURAL

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

This co-package contains:

Prevail A Liquid Herbicide

GUARANTEE: tralkoxydim 400 grams per litre
REGISTRATION NO. 27579 PEST CONTROL PRODUCTS ACT

Prevail B Herbicide

GUARANTEE: clopyralid 50 g a.e./L
(present as acid)
MCPA 280 g a.e./L
(present as 2-ethylhexyl ester)
REGISTRATION NO. 23526 PEST CONTROL PRODUCTS ACT

Prevail C Adjuvant

GUARANTEE: mineral oil 50.0%
surfactant blend 39.5%
REGISTRATION NO. 23527 PEST CONTROL PRODUCTS ACT

CAUTION  **POISON**

WARNING: EYE AND SKIN IRRITANT

NET CONTENTS: Prevail A Liquid Herbicide - 4 L
Prevail B Herbicide - 2 x 8 L
Prevail C Adjuvant - 4 L

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PRECAUTIONS**KEEP OUT OF REACH OF CHILDREN****HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH THE SKIN****WARNING: EYE AND SKIN IRRITANT****DO NOT APPLY BY AIR**

Keep product away from fire, open flame, lighted electric bulbs and other sources of heat. Do not allow water to be introduced to contents of the Prevail C Adjuvant container.

Do not take internally. Handle with care and mix only in a closed container. Use only in a well ventilated area.

Do not wear contact lenses when using chemicals. Avoid inhalation of vapour or spray mist and contact with eyes, skin or clothing. Do not smoke, eat or drink while using this product. Wash thoroughly with soap and water after handling and before eating, drinking, smoking or going to the washroom. Take a shower immediately after work.

During spraying or application, wear protective equipment and clothing, including hat, long-sleeved shirt, trousers and rubber boots. Wear goggles or face shield and chemical-resistant gloves (rubber, PVC, neoprene or nitrile) and apron during mixing, loading, repair, adjusting sprayer and clean-up or when handling the concentrates. Wash gloves thoroughly with water before removing them during any operation. If clothing becomes contaminated, remove immediately and wash. Store and wash all protective clothing separately from household laundry. Wash in detergent and hot water before reuse. Wear freshly laundered clothes daily.

PHYSICAL OR CHEMICAL HAZARDS**COMBUSTIBLE.** Do not use or store near heat or open flame.**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 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 center or doctor for treatment advice **IMMEDIATELY**.

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

TOXICOLOGICAL INFORMATION

DANGER: This tank-mix contains petroleum distillates; therefore, if swallowed, DO NOT cause vomiting. If patient is unconscious, give air. Obtain medical attention immediately.

Treat symptomatically for ingestion and/or skin and eye contact. Symptoms are likely to include those of CNS depression. Avoid respiratory depressants unless otherwise indicated.

Prevail C Adjuvant and Prevail B Herbicide contain petroleum distillates. The decision of whether to induce vomiting or not should be made by the attending physician. If lavage is performed, suggest endotracheal and/or oesophageal control. Danger from lung aspiration of petroleum based solvents must be weighed against toxicity when considering emptying the stomach. No specific antidote. Employ supportive care. Treatment should be based on judgment of the physician in response to reactions of the patient.

AGRICULTURAL CHEMICAL

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

ENVIRONMENTAL HAZARDS

Do not apply where run-off or erosion is likely to occur. Do not apply within 15 m of fish-bearing waters, wetlands (potholes, sloughs, etc.) and wildlife habitat. Avoid drift onto other crops and non-target areas. Do not contaminate domestic or irrigation water, lakes, streams or ponds by the cleaning of equipment or the disposal of wastes. Do not use Prevail Liquid Herbicide Tank-Mix in the following areas: standing or flowing water, the inner banks or bottoms of irrigation ditches and in areas where surface water can run off to adjacent croplands either planted or to be planted to sensitive crops.

This product contains a petroleum distillate which is moderately to highly toxic to aquatic organisms. Avoid contamination of aquatic systems during application. Do not contaminate these systems through direct application, disposal of water or cleaning equipment.

STORAGE

Do not contaminate food, water supplies or animal feed. Keep any unused product in resealed original container locked up away from reach of children and animals and away from heat, food, feed or fertilizers. If any component is frozen, bring to room temperature and agitate. Store in a cool dry place. Keep packages out of the rain and dry at all times.

DISPOSAL

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.
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GENERAL INFORMATION

Crops

SPRING WHEAT (including hard red spring, Canada prairie spring, soft white spring and utility), DURUM WHEAT and BARLEY: [all 2 or 6 row varieties (malting and general purpose varieties including semi-dwarf and hulless)]. **Do not use this tank-mix in tame oat crops. Avoid drift onto tame oats.**

TIMING OF APPLICATION: Apply Prevail Liquid Herbicide Tank-Mix between the 3-leaf expanded to before flag-leaf stage of the crop. DO NOT apply after the 6-leaf stage of barley and wheat.

Weeds Controlled

Canada thistle♦	redroot pigweed
wild oats	dandelion▼
green foxtail (wild millet)	scentless chamomile (2 to 4 leaf)
Persian dandelion	wild mustard
flixweed▼	shepherd's-purse▼
kochia (suppression) (2 to 4 leaf)	smartweed
lamb's-quarters	stinkweed▼
annual sow-thistle	tartary buckwheat
perennial sow-thistle (top growth)	wild buckwheat
common groundsel	volunteer rapeseed
Russian pigweed	

♦season-long control; with some regrowth in the fall.

▼spring rosettes only.

Weed	Stage of Weed	Control
wild oats	Apply at the 1-6 leaf stage (total leaves should include tillers - Zadoks or BBCH growth stage of 11, 20 to 14, 22).	Wild oats will be controlled up to the emergence of the third tiller. Grassy weeds will cease growth soon after the application; complete die-back could take up to 2 weeks.
green foxtail	Apply at the 1-5 leaf stage (total leaves including the tillers - Zadoks or BBCH growth of 11, 20 to 14, 21).	Green foxtail is controlled up to the emergence of the second tiller.
Canada thistle	Apply between 10 and 15 cm in height and up to but not including the early bud stage.	Season-long control. Some weed regrowth may occur in the fall.
other broadleaved weeds	Apply at the 1-4 leaf stage.	Most effective when applied to young, actively growing plants.

NOTE: Crops will show maximum weed control and yield increase under conditions of strong competition. Early treatments will promote stronger crop competition than later treatments. For best results, apply Prevail Liquid Herbicide Tank-Mix when both the crop and weeds are growing vigorously.

Although susceptible grassy weeds treated with Prevail Liquid Herbicide Tank-Mix cease growth soon after application, complete die-back of the weeds could take up to 2 weeks.

GENERAL USE PRECAUTIONS

Do not use these products in a manner inconsistent with the label. All components of the Prevail Liquid Herbicide Tank-Mix must be applied together according to label directions or a reduction in weed control will occur.

Allow a minimum 7-day interval between the application of any other pesticide and the application of Prevail Liquid Herbicide Tank-Mix. Always apply Prevail Liquid Herbicide Tank-Mix first, then wait 7 days before adding other herbicides. Failure to observe this interval may result in poor weed control. A longer waiting interval may be required if any sign of crop stress is evident.

DO NOT apply to wheat or barley which has been undersown with forages or other companion crops.

Cereal crops which are exposed to temperatures below 5°C up to 48 hours before or after application of Prevail Liquid Herbicide Tank-Mix may incur unacceptable crop injury. Unacceptable crop injury could also occur when Prevail Liquid Herbicide Tank-Mix is applied to crops under stress due to foliar diseases or lack of fertility.

DO NOT apply Prevail Liquid Herbicide Tank-Mix if the crop is under extreme drought stress or is showing effects of excessive moisture (poor drainage). When grasses are stressed due to drought, heat, lack of fertility, flooding or prolonged cool temperatures, control can be reduced or delayed since the grasses are not actively growing. Grass escapes or re-tillering may occur when application is made under prolonged stress conditions. Optimum weed control will be obtained if application of Prevail Liquid Herbicide Tank-Mix is delayed until the stress conditions have ended and weeds are once again actively growing.

When weeds are stressed due to drought, flooding or prolonged hot or cool temperatures (15°C or less), control can be reduced or delayed since weeds are not actively growing. Weed escapes may occur under prolonged stress conditions or low fertility. Do not make applications to weeds stressed longer than 20 days due to lack of moisture as unsatisfactory control can result.

The herbicidal activity of Prevail Liquid Herbicide Tank-Mix can be negatively affected if water containing high concentrations (>400 ppm) of bicarbonate ions is used as a diluent. Water from deep wells is more likely to contain high concentrations of bicarbonate ions. Ammonium sulfate at 9 to 18 kg per 1000 litres of spray solution can be used to counteract this antagonistic effect. Use only granular or liquid ammonium sulfate formulations which do not contain additional wetters or surfactants.

DO NOT make more than 1 application of Prevail Liquid Herbicide Tank-Mix per growing season.

DO NOT spray if rain is forecast within 6 hours.

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.

Spray Drift

Do not apply Prevail Liquid Herbicide Tank-Mix directly to or otherwise permit it to come into contact with sunflowers, legumes, fruit or vegetable crops, flowers or other desirable broadleaved plants and take precautions to avoid spray mists drifting onto them. DO NOT spray in winds over 16 km/hr. DO NOT let spray drift into adjacent fields.

Crop Rotation

Fields previously treated with Prevail Liquid Herbicide Tank-Mix can be seeded to wheat, barley, oats and rye (not under-seeded to forage legumes, clover or alfalfa), canola, corn, field peas, flax, forage grasses, mustard, sugar beets or can be summer-fallowed. Seed only those crops listed above in the year following treatment. Do not seed to field peas for at least 10 months following treatment. Very dry soil conditions following application can result in a risk of injury to field peas grown in rotation. If severe drought conditions are experienced during the months of June to August inclusive in the year of application, delay seeding field peas an additional 12 months (total 22 months following application). Contact your local Dow AgroSciences Canada representative or retailer for more information before seeding field peas following drought conditions in the previous year.

PREHARVEST/GRAZING INTERVALS

Do not harvest grain until 60 days after treatment with Prevail Liquid Herbicide Tank-Mix. DO NOT graze or cut for feed immature crops treated with Prevail Liquid Herbicide Tank-Mix. Straw from treated fields may not be fed to livestock. There are insufficient data to support such use.

DIRECTIONS FOR USE

Dilution and Application Rates

A uniform spray containing 0.5 L of Prevail A Liquid Herbicide plus 2.0 L/ha of Prevail B Herbicide plus 0.5 L of Prevail C Adjuvant in 100 L/ha of water which thoroughly covers the weeds must be used. (The contents of this co-package: 4 L of Prevail A Liquid Herbicide plus 16 L of Prevail B Herbicide plus 4 L of Prevail C Adjuvant diluted in 800 L of spray solution treats 8 ha).

MIXING

1. Only use sprayers in good running conditions with high agitation. Ensure the sprayer is cleaned according to instructions on the label of the product used prior to Prevail Liquid Herbicide Tank-Mix. Use only clean water for the spray solution. Ensure that all in-line strainer and nozzle screens in the sprayer are 50 mesh or coarser. Screens of 80 mesh size or finer should not be used.
2. Begin to fill sprayer tank or premix tank with clean water and engage agitator. **Agitation must be continued throughout the entire mixing and spraying procedure.**
3. When the sprayer or premix tank is 3/4 full of water, add Prevail A Liquid Herbicide. **If more than 1 carton of Prevail Liquid Herbicide Tank-Mix is to be used, add the Prevail A Liquid Herbicide from all the cartons prior to adding the Prevail B Herbicide or Prevail C Adjuvant.**
4. Add both containers of Prevail B Herbicide to the tank. Add all containers of Prevail B Herbicide if using more than 1 carton.
5. Add Prevail C Adjuvant and then continue to fill tank to desired level with water. Add all containers of Prevail C Adjuvant if using more than 1 carton.

SPRAYING INSTRUCTIONS

1. DO NOT APPLY BY AIR. Use ground equipment only.
2. Apply in a spray volume of 100 L/ha at a pressure of 275 kPa to ensure proper dispersion, spraying characteristics and performance of Prevail Liquid Herbicide Tank-Mix. Do not apply Prevail Liquid Herbicide Tank-Mix through sprayers only equipped to apply less than 100 L/ha spray solution (e.g., SPRAFOIL¹ or SPRAY-AIR² sprayers) since mixing problems and/or unacceptable crop injury could occur.
3. Flat fan spray tips of 80° or 110° are recommended for optimum coverage. Do not use floodjet nozzles or controlled droplet application equipment. Nozzles may be angled forward 45° to enhance penetration of the crop and provide better coverage. Ensure that all in-line strainer and nozzle screens in the sprayer are 50 mesh or coarser. Screens of 80 mesh size or finer should not be used.
4. Always ensure that agitation is continued until spraying is completed, even if stopped for brief periods of time. **If the agitation is stopped for more than 5 minutes, re-suspend the spray solution by running on full agitation prior to spraying.** Prevail Liquid Herbicide Tank-Mix must be sprayed within the same day of mixing.
5. When spraying is completed and prior to using other products, ensure the sprayer tank is thoroughly rinsed with clean water to remove any remaining Prevail Liquid Herbicide Tank-Mix residues. Using a pressure washer and the addition of a detergent or AGRAL³ 90 to the rinse water will enhance removal of residues.

RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, please note that Prevail Liquid Herbicide Tank-Mix is both a 1 and a Group 4 herbicide. Any weed population may contain plants naturally resistant to Group 1 and/or Group 4 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same fields.

To delay herbicide resistance:

- Where possible, rotate the use of Prevail Liquid Herbicide Tank-Mix or other Group 1 and Group 4 herbicides with different herbicide groups that control the same weeds in a field.
- 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 and crop rotation, and considers tillage (or other mechanical), cultural, biological and other chemical control practices.

- Monitor treated weed populations for resistance development.
- Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment and planting clean seed.
- 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 or at www.dowagro.ca.

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¹ SPRAFOIL is a trademark of D & W Industries.

² SPRAY-AIR is a trademark of SPRAY-AIR Canada Inc.

³ AGRAL is a trademark of a Syngenta Group co.

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