

DANGER
Keep out of reach of children



Gallant™

Ultra

HERBICIDE

ACTIVE INGREDIENT: Contains 520 g/L haloxyfop-P present as haloxyfop-P methyl formulated as an emulsifiable concentrate.

GROUP 1 HERBICIDE

Selectively controls storksbill and grass weeds in kale, late maturing rape, fodder beet, white clover, forestry, orchards, nurseries, non-crop areas and certain broadleaf crops.

READ THE LABEL COMPLETELY BEFORE MIXING OR APPLYING

Corteva Agriscience New Zealand Limited

Private Bag 2017, New Plymouth 4342

www.corteva.co.nz

Telephone: 0800 803 939



NET CONTENTS: 1 L, 5 L, 20 L

Gallant™ Ultra

INFORMATION WITHIN THIS BOX IS NOT PART OF THE LABEL

17th June 2021

DANGER



Combustible liquid.
Harmful if swallowed.
May be fatal if swallowed and enters airways.
Causes serious eye irritation.
May cause damage to organs through prolonged or repeated exposure.
Very toxic to aquatic life with long lasting effects.
Hazardous to terrestrial vertebrates.

QUALIFICATION REQUIREMENTS

Persons mixing, loading, applying, or otherwise handling Gallant™ Ultra must meet the qualification requirements set out in the EPA Hazardous Substances (Hazardous Property Controls) Notice 2017.

RECORD KEEPING

Records of use, as described in the EPA Hazardous Substances (Hazardous Property Controls) Notice 2017 and the New Zealand Standard for the Management of Agrichemicals (NZS 8409), must be kept if more than 2.6 L of Gallant™ Ultra is applied within 24 hours in a place where the substance is likely to enter air or water and leave the application area.

PHYSICAL HAZARDS

Combustible liquid. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. DO NOT smoke while using. In case of fire, use water fog or fine spray, dry chemical, foam, or carbon dioxide extinguishers.

HEALTH HAZARDS

Harmful if swallowed.
May be fatal if swallowed and enters airways.
May cause damage to organs through prolonged or repeated exposure. DO NOT breathe fumes, mist, vapours or spray.
Causes serious eye irritation. Avoid contact with eyes. Wear the recommended protective clothing. See the PERSONAL PROTECTION section of the label.
DO NOT eat, drink or smoke while using this product. Remove protective clothing immediately after handling this product and thoroughly wash hands and face.

ENVIRONMENTAL HAZARDS

Very toxic to aquatic life with long lasting effects. DO NOT apply directly or allow spray drift into or onto water. DO NOT contaminate an aquatic environment with chemical or empty container.
Hazardous to terrestrial vertebrates. Store chemical and empty containers away from animals and birds.

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Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.

HANDLING PRECAUTIONS

EQUIPMENT

Apply using accurately calibrated and maintained equipment in accordance with the New Zealand Standard for the Management of Agrichemicals (NZS 8409).

Flush equipment thoroughly with clean water after use according to the Cleaning of Spray Equipment instructions below. Dispose of cleaning water according to the DISPOSAL instructions below.

STORAGE

Combustible liquid. DO NOT store near heat, hot surfaces, sparks, open flames and other ignition sources. Store in the original container tightly closed and in a locked, dry, cool, well-ventilated area, away from foodstuffs. Keep container tightly closed. DO NOT store with Class 1, 2, 3.2, 4 or 5 substances. Storage must be generally in accordance with the New Zealand Standard for the Management of Agrichemicals (NZS 8409).

Stores containing more than 100 L of Gallant™ Ultra (or substances of the same hazard class) are subject to signage, secondary containment and emergency response plans. See the EPA Hazardous Property Controls Notice 2017, Health and Safety at Work (Hazardous Substances) Regulations 2017 and the New Zealand Standard for the Management of Agrichemicals (NZS 8409) for further information.

PERSONAL PROTECTION

When opening the container, preparing the product for use and applying the product, wear eye protection, cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Avoid contact with eyes. DO NOT eat, drink or smoke while using. DO NOT breathe fumes, mist, vapours or spray. Remove protective clothing immediately after handling the product and wash hands and face.

SPILLAGE

Extinguish all sources of ignition. DO NOT touch or walk through spilled material. Wear the protective equipment recommended above. Stop further spillage occurring and prevent entry into waterways and drains. **Small spills/leaks:** Absorb with material such as sand, soil or sawdust. Collect spilled product and place in a sealable container for disposal. Spill residues may be cleaned using water and detergent. Contain and absorb wash water for disposal. Absorb and collect washings and place in the same sealable container for disposal. Seek advice from the SDS, product label or Corteva Agriscience regarding disposal. **Large spills/leaks:** Report large spills to Corteva Agriscience Emergency Services at 0800 844 455.

DISPOSAL

Triple rinse empty containers and add rinsate to spray tank. Triple rinsed containers containing the Agrecovery logo on the label, which are free of all residues (liquid and dry) and have an intact legible label should be taken to an Agrecovery container collection site. Otherwise crush and bury in a suitably approved landfill. DO NOT burn empty containers.

Dispose of the product only by using according to the label, via Agrecovery (visit www.Agrecovery.co.nz or call 0800 AGRECOVERY (247 326) for information about the

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type and quantity of chemical acceptable for disposal), or at an approved landfill. DO NOT burn.

Dispose of equipment cleaning water onto ground away from edible crops.

DO NOT dispose of this product, spray mix or equipment cleaning water down drains or sewers.

FIRST AID

If exposed, or if you feel unwell, contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. If medical advice is needed, have the product container or label at hand. If swallowed, rinse mouth. DO NOT induce vomiting. If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice.

TRANSPORT

DO NOT carry more than 10 L of Gallant™ Ultra on a passenger service vehicle.

SAFETY DATA SHEET

A Safety Data Sheet for GALLANT™ ULTRA is available from Corteva Agriscience on request. Call Customer Service Toll Free on 0800 803 939.

RE-ENTRY

DO NOT allow entry into treated areas until the spray has dried. If prior entry is necessary, wear personal protective equipment as described above.

NOTICE

Important: You **must** read the warning and conditions given on this label. If they are not acceptable, or if you are in doubt as to the proper handling of this product (including its transport, storage, use and disposal) then return the unopened product to the supplier at once.

Warning: This product is subject to controls and could be hazardous if handled incorrectly. The **user is responsible** for ensuring that the handling of this product is in accordance with the law (including the *Hazardous Substances and New Organisms Act 1996* and the *Agricultural Compounds and Veterinary Medicines Act 1997*) and with the directions provided. The Registrant declines all liability (whether in contract, tort (including but not limited to negligence), or otherwise) to the maximum extent permitted by law in relation to the handling of this product in a manner which is contrary to the directions given or to any applicable Acts, Regulations or Guidelines.

Further information regarding the applicable Acts, Regulations and Guidelines for the proper handling of this product may be obtained by contacting EPA New Zealand (www.epa.govt.nz) or the Ministry for Primary Industries (MPI) (www.foodsafety.govt.nz).

This product is warranted to contain the specified active ingredients within accepted analytical tolerance when packed.

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Gallant™ Ultra

17th June 2021

<p>Registered to: Corteva Agriscience New Zealand Limited Private Bag 2017 New Plymouth 4342 Telephone 0800 803 939 www.corteva.co.nz</p>	<p>EMERGENCY RESPONSE (All hours) Ring from anywhere in New Zealand 0800 844 455 Or Globally +64 6 751 2407</p>	<p>IN A TRANSPORT EMERGENCY DIAL 111 FOR POLICE OR FIRE</p>
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Registered pursuant to the ACVM Act 1997, No P008111
 See www.foodsafety.govt.nz for registration conditions

Approved pursuant to HSNO Act 1996, EPA Approval Code HSR100054
 See www.epa.govt.nz for approval controls

	<p>Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HALOXYFOP METHYL ESTER) Marine Pollutant</p> <p>UN Number: 3082</p> <p>Class: 9</p>
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Date of Manufacture:

Batch No.

Barcode

DIRECTIONS FOR USE

MIXING INSTRUCTIONS

Half fill the spray tank. Commence agitation. Add wettable powders, water dispersible granules, aqueous concentrates then suspension concentrates (sequentially, in that order). Agitate until thoroughly mixed. Add the required amount of Gallant™ Ultra, agitate, then add Uptake™ Spraying Oil. Agitate until thoroughly mixed. Add remainder of the water and finally add any surfactants required for tank mix partners.

STORAGE OF DILUTED SPRAY MIX

Use the spray mix as soon as it is prepared. DO NOT leave part tanks of Gallant™ Ultra to stand without agitation. The spray solution MUST be used on the day of mixing and must NOT be left overnight.

APPLICATION

Gallant™ Ultra can be applied using conventional ground and aerial spraying equipment.

Ensure thorough coverage. Avoid overlaps when spraying.

Ground boom spraying: Apply Gallant™ Ultra in minimum 200 L/ha water as a medium quality spray as defined by the British Crop Protection Council (BCPC) Guideline or the American Society of Agricultural Engineers Standard (ASABE S-572).

Aerial spraying: Apply Gallant™ Ultra in 100 - 300 L/ha water as a coarse quality spray as defined by the British Crop Protection Council (BCPC) Guideline or the American Society of Agricultural Engineers Standard (ASABE S-572).

Spot gun: Use an extension lance fitted with a solid cone nozzle.

High volume (including handgun): Apply as a wetting spray to full coverage using either a hand lance fitted with a solid cone or a handgun fitted with a No. 4 tip at 500 – 2,000 kPa to deliver 1,000-1,500 L/ha.

Knapsack: Apply as a wetting spray to full coverage using at least 500 L/ha water volume.

MANAGEMENT OF SPRAY DRIFT

Persons applying this substance must not cause adverse effects to any water body.

DO NOT apply when wind speeds are less than 3 km/h or more than 20 km/h as measured at the application site.

Spraying equipment must be calibrated to deliver medium / coarse or larger droplets as defined by the American Society of Agricultural and Biological Engineers ASABE Standard (S572) or the British Crop Production Council guideline.

Important: In order to select the appropriate nozzles for the required spray quality and to operate the equipment to minimize spray drift, this product must be applied in accordance with the New Zealand Standard for the Management of Agrichemicals (NZS 8409). Avoid strong winds or inversion conditions that may result in drift from the target area. Techniques to minimise drift should be employed at all times.

ADJUVANTS

Always apply Gallant™ Ultra in mixture with Uptake™ Spraying Oil at 1 L/ha. The only oil recommended for use with Gallant™ Ultra is Uptake™ Spraying Oil.

COMPATIBILITY

Gallant™ Ultra is compatible with Versatill™ PowerFlo™, oryzalin, triazine herbicides such as terbuthylazine, simazine and atrazine.

Gallant™ Ultra is also compatible with:

- Korvetto™, Milestone™, Radiate™ and T-MAX™ herbicides for broadleaf control in kale and late maturing rape
- Sparta™ insecticide for IPM friendly control of caterpillars, leaf miner, springtails and Nysius in kale and late maturing rape
- Transform™ insecticide for IPM friendly control of aphids in kale and late maturing rape

Consult Corteva Agriscience for information regarding other tank mix partners.

CLEANING OF SPRAY EQUIPMENT

Before using Gallant™ Ultra:

If broadleaf herbicides, particularly sulfonylureas, have been used at any time prior to Gallant™ Ultra, ensure the spray equipment is decontaminated according to the relevant herbicide label directions prior to applying Gallant™ Ultra.

After using Gallant™ Ultra:

Always flush equipment thoroughly with clean water after use of Gallant™ Ultra.

Rinsing

- Empty the spray tank completely and drain the whole system. Thoroughly wash inside the unit using a pressure hose. Drain spray unit and clean any filters in the tank, pump, lines, hoses and nozzles.
- After cleaning the spray unit as described above, quarter fill with clean water and circulate the water through the pump, lines, hoses and nozzles. Drain and repeat the rinsing procedure twice.

Decontamination

Decontaminate before using on plants that are sensitive to Gallant™ Ultra. Crops susceptible to Gallant™ Ultra include, but are not limited to cereals, maize and grasses.

Decontaminate using the following procedure:

- Quarter fill the spray tank and add a standard alkali-based laundry detergent at 500 g (or mL)/100 L of water and circulate throughout the system for at least 15 minutes. If using a concentrated laundry detergent use 250 g (or mL)/100 L water. DO NOT use chlorine-based cleaners.
- Drain the whole system. Remove filters and nozzles and clean them separately.
- Finally, flush the system with clean water and allow to drain.

Cleaning water should be discharged onto a designated disposal area, or onto unused land away from desirable plants and water sources.

RAINFASTNESS

Gallant™ Ultra is rainfast 1 hour after application.

SOIL RESIDUES

DO NOT plant cereal, maize or grass crops within 12 weeks of treatment.

WITHHOLDING PERIODS

It is an offence for the users of this product to cause residues exceeding the relevant MRL in the Food Notice: Maximum Residue Levels for Agricultural Compounds.

Peas, lentils

DO NOT apply later than flowering.

Asparagus

DO NOT apply during the cutting season.

Onions

DO NOT apply within 5 weeks of harvest.

Kale, late maturing rape

DO NOT apply after the 6-leaf growth stage of the crop

Meat *DO NOT graze the treated crop until 12 weeks after application. In addition, animals must be held for 14 days on an untreated feed prior to sending for slaughter.*

Milk *Do not cut for feed or graze animals currently being milked on areas treated with Gallant Ultra.*

Dry dairy stock must be held for 14 days on an untreated feed prior to the first milking.

Fodder beets

DO NOT apply after the 8-leaf growth stage of the crop.

Meat *DO NOT graze the treated crop until 14 weeks after application. In addition, animals must be held for 14 days on an untreated feed prior to sending for slaughter.*

Milk *Do not cut for feed or graze animals currently being milked on areas treated with Gallant Ultra.*

Dry dairy stock must be held for 14 days on an untreated feed prior to the first milking.

Where Gallant™ Ultra is tank mixed with another product, observe the longest applicable withholding period.

RESISTANCE MANAGEMENT

GROUP 1 HERBICIDE

Gallant™ Ultra is an aryloxyphenoxy propionate herbicide (Group 1). Some naturally occurring individual weeds may become resistant when excessive use of the same herbicide occurs. To maximize the effectiveness of herbicides, products containing alternate modes of action should be used in the spray program.

Consult <http://resistance.nzpps.org/> for alternate modes of action and the details of resistance management strategies (if any) for the crops listed on the label.

CROPS AND WEEDS

Gallant™ Ultra will not control sedges and broadleaf weeds other than storksbill.

Table 1. Use rates for storksbill and grass weed control.

WEED	BROADCAST L/ha	KNAPSACK mL/10 L	SPOTGUN mL/L	HANDGUN mL/100 L	COMMENTS
Pampas grass	1.5	30	12	100	For best results treat plants less than 1 m high.
African feather grass					Repeat application may be required.
Sod bound couch Mercer grass Browntop Ratstail Indian doab Kikuyu Paspalum	0.75 – 1.0	12	8	75	Use high rate for grass weeds at an advanced growth stage or grass weeds under stress or slow growth conditions. Use high rate on sod bound couch. Use 0.5 L/ha for suppression of these grass weeds in lucerne.
Cultivated couch	0.25 - 0.5	N/A	N/A	N/A	Use low rate on young or actively regenerating couch after extensive cultivation to break roots into small pieces. Use high rate on tillering couch. Use low rate for suppression in crops and high rate for longer term control.

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WEED	BROADCAST L/ha	KNAPSACK mL/10 L	SPOTGUN mL/L	HANDGUN mL/100 L	COMMENTS
Cocksfoot Prairie grass Yorkshire fog Sweet vernal Soft brome (goosegrass)	0.25 - 0.5	5	2.5	50	Use high rate for grass weeds at an advanced growth stage or grass weeds growing under stress or slow growth conditions.
Seedling perennial ryegrass (up to 3 tillers)	0.125	2.5	1.25	N/A	Established or regrowth perennial ryegrass will be suppressed.
Perennial ryegrass (after 3 tillers)	0.25 - 0.5	5	2.5	50	Use high rate for grass weeds at an advanced growth stage or grass weeds growing under stress or slow growth conditions.
Annual poa	0.30	6	3	60	
Annual grass weeds including: Annual ryegrass Summer grass Barnyard grass Bristle grass Volunteer cereals	0.12	2.5	1.2	N/A	
Wild oats	0.1	2.5	1.2	N/A	
Storksbill Musky storksbill	0.1	N/A	N/A	N/A	
Hair grass and chewings fescue are not controlled at rates listed above.					

Table 2. Crops and situations

Forestry tree release	Gallant™ Ultra may be applied over forestry species including Radiata pine and Eucalyptus species. To control broadleaf weeds in Radiata pine, atrazine and simazine, terbuthylazine and Versatill™ PowerFlo™ herbicides may be added. To control broadleaf weeds in Eucalyptus species, Versatill™ PowerFlo™ may be added. DO NOT apply mixtures of Gallant™ Ultra with terbuthylazine, atrazine and simazine over the top of Eucalyptus species. Rather, apply as a directed spray to the base of the young Eucalyptus plants.
Tree nurseries	Gallant™ Ultra may be applied over seedling Radiata pine, Eucalyptus, Acacia, Casuarina and other seedling plantation and ornamental tree species. Where there is no previous experience, apply Gallant™ Ultra over a few plants before treating larger areas. Consult your Corteva Agriscience representative.
Lucerne Clover	DO NOT apply Gallant™ Ultra in mixture with triazine herbicides.
Pipfruit, citrus	Gallant™ Ultra should be applied as a directed spray around the base of the trees to avoid direct contact with the fruit.
Peas, lentils	Apply Gallant™ Ultra at no more than 300 mL/ha. DO NOT apply Gallant™ Ultra in mixture with triazine herbicides.
Asparagus	Apply Gallant™ Ultra, in mixture with Uptake™ Spraying Oil, after the final cut.
Onions	Apply Gallant™ Ultra at no more than 300 mL/ha.
Kale Late maturing rape	DO NOT apply at rates exceeding 250 mL/ha. DO NOT apply after the 6-leaf growth stage of the crop. Grazing withholding periods apply (refer to the WITHHOLDING PERIODS section of the label).
Fodder beets	DO NOT apply at rates exceeding 250 mL/ha. DO NOT apply after the 8-leaf growth stage of the crop. Grazing withholding periods apply (refer to the WITHHOLDING PERIODS section of the label).

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