

WARNING • ECOTOXIC
KEEP OUT OF REACH OF CHILDREN

DIFCAN Xtra

HERBICIDE

ACTIVE INGREDIENT: *Contains 400 g/litre flufenacet and 200 g/litre diflufenican in the form of a suspension concentrate.*

A selective herbicide to be used pre-emergence of weeds and pre- and post-emergence of the crop for the control of certain broad-leaved and grass weeds in autumn and winter sown wheat and barley.

Net Contents: 10L

Registered pursuant to the ACVM Act 1997, No. P9743
See www.foodsafety.govt.nz for registration conditions
Approved pursuant to HSNO Act 1996, HSR100012
See www.epa.govt.nz for approval controls

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AGPRO

READ THE LABEL COMPLETELY BEFORE USE

This product must not be used for any purpose, or in any manner, contrary to this label unless authorised under appropriate legislation.

HAZARD CLASSIFICATIONS

Acute oral toxicity Category 4,
Skin sensitization Category 1,
Specific target organ toxicity (repeated exposure) Category 2,
Hazardous to soil organisms,
Hazardous to terrestrial vertebrates,
Hazardous to the aquatic environment acute Category 1,
Hazardous to the aquatic environment chronic Category 1.



WARNING

Harmful if swallowed. May cause an allergic skin reaction. May cause organ damage from

prolonged or repeated exposure at high doses.

ECOTOXIC

Very ecotoxic to aquatic organisms with long lasting effects. Very toxic in the soil environment. Harmful to terrestrial vertebrates.

This product must not be applied directly into or onto water.

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

QUALIFIED HANDLER

This product must be under the control of a qualified handler during mixing, loading and use.

RECORD KEEPING

Records of use, as described in the relevant HSNO regulations and the New Zealand Standard for the Management of Agrichemicals (NZS 8409), must be kept if using more than 3L of DIFCAN Xtra within 24 hours.

Proper Shipping Name	Class	UN No.	PG	Hazchem
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (contains flufenacet 40%, diflufenican 20%)	9	3082	III	3Z

Batch Number:

Date of Manufacture:



LBL078.1

PRECAUTIONS

PERSONAL PROTECTION

When preparing or applying spray, wear cotton overalls buttoned to the neck and wrist, a washable hat, impermeable gloves, and goggles or a face shield. Wash all protective clothing after work. Contaminated work clothing should not be allowed out of the workplace.

GENERAL SAFETY AND HYGIENE MEASURES

Avoid contact with skin, eyes and clothing. Avoid breathing vapour or spray mist. Do NOT eat, drink or smoke when using this product. Remove protective clothing and wash hands and exposed skin thoroughly with soap and water before meals and after work. Wash protective clothing immediately after use. Store work clothing separately.

USE

Apply with well-maintained and accurately calibrated equipment. Do NOT spray over, or allow drift over, surface water such as ponds, waterways or drains. Clean out application equipment thoroughly after use. Do NOT contaminate surface or ground water when disposing of equipment wash waters.

NOTE: Storage and application must be as described in the current version of the New Zealand Standard for the Management of Agrichemicals NZS 8409.

STORAGE

Keep out of reach of children. Store in the original, tightly closed container, in a secure place away from feed or foodstuffs. Storage of 100L or more of this product requires signage, emergency response plan and secondary containment.

DISPOSAL OF CONTAINER

Triple rinse empty container and add rinsate to the spray tank. Recycle if possible.

DISPOSAL OF PRODUCT

Dispose of this product only by using according to the label, through Agrecovery collection site, or at an approved landfill. Do NOT burn product.

Do NOT contaminate any water supply with product or used container.

SPILLAGE

Exclude non-essential people from the area. Wear protective clothing and prevent material from entering waterways. Absorb spill with inert material such as soil, sand, etc. Place in labelled waste container. Wash area with water, and absorb with further inert material. Dispose of safely to approved landfill.

EMERGENCY RESPONSE

In a transport emergency call 111, Police or Fire Brigade.

For specialist advice in a chemical emergency call 0800 CHEMCALL (0800 243 622) 24 hours.

SAFETY DATA SHEETS

Additional information is provided in the safety data sheet. Phone 09 273 3456 or visit www.agpro.co.nz for a copy.

TRANSPORT

Do not carry on a passenger service vehicle.

FIRST AID

For advice contact the National Poisons Centre (0800 764 766) (24 hours) or a doctor. If medical advice is needed have product container or label to hand.

If swallowed do not induce vomiting. Rinse mouth. Call the Poisons Centre if you feel unwell.

If skin contact occurs, remove contaminated clothing and wash skin with soap and water. If irritation or rash occurs, get medical advice.

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. If inhaled remove to fresh air and keep at rest in a position comfortable for breathing. Call the Poison Centre or a doctor if you feel unwell. Apply artificial respiration if not breathing.

GENERAL INFORMATION

DIFCAN Xtra is a selective herbicide to be used pre-emergence of weeds and pre- and post-emergence of the crop for the control of certain broad-leaved and grass weeds in autumn and winter sown wheat and barley.

DIRECTIONS FOR USE

Mixing

Before opening the container, shake the contents several times. For large containers, roll and invert the container several times to re-suspend the formulation. DIFCAN Xtra mixes readily with water. To ensure a uniform solution pour the correct amount into the partly filled tank and add the remainder of the water while agitating. Agitate thoroughly before and during spraying and before spraying after a stoppage. Clean sprayer thoroughly after use.

APPLICATION

DIFCAN Xtra can be applied with conventional boom spraying equipment giving uniform coverage at a spray volume of 200 – 300 litres of water per hectare. Use spray pressures of at least 200 kPa and select nozzles capable of producing medium spray droplets. Avoid overlays when spraying. Application should be on to a freshly prepared seedbed with fine, compact, moist soil, and free of trash and clods greater than 5 cm.

RATES AND TIMING OF APPLICATION

Apply in a single application pre-emergence of the weeds to autumn and winter sown crops that are sown no later than 31st July.

Use rate	Weed stage	Crop stage
300-500 ml/ha	Pre-emergence of weeds	Pre-emergence of crop
300 ml/ha	Pre-emergence of weeds	Up to GS21

Use the higher rate when weed pressure is high and when hard to kill weeds are present.

DO NOT treat undersown cereals.

DO NOT use on oats.

Avoid spraying during periods of prolonged or severe frosts as sharp or severe frosts following application may cause transitory discoloration or scorch from which the crop will normally recover.

DO NOT use on soils containing more than 10% organic matter.

DO NOT disturb the soil after application, e.g. by harrowing or rolling.

ADDITIONAL HSNO CONTROLS

DO NOT apply at rates exceeding 500ml/ha.

DO NOT apply to the same area more than once per year.

DO NOT apply onto or into water.

DO NOT apply aerially.

No person may apply this substance in a manner that results in adverse effects to non-target plants outside the application area.

MANAGEMENT OF SPRAY DRIFT

The method of application is limited to ground based application only.

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

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

For the protection of aquatic organisms, the following buffer zones must be observed from downwind water bodies:

≤ 300 ml/ha – 2 metres

301 – 400ml/ha – 4 metres

401 - 500 ml/ha – 8 metres

A 5 metre buffer zone must be observed for any area which may contain downwind non-target natural or planted vegetation.

Persons applying DIFCAN Xtra must take into account site specific conditions at the application site on the day of application and amend the size of the buffer zone as required.

COMPATIBILITY

DIFCAN Xtra is compatible with commonly used herbicides. Seek advice from the distributor or technical advisor about suitable tank mix products.

WEEDS CONTROLLED

Applications should be made pre-emergence to all broad-leaved and grass weeds. To obtain complete control of other weed species that may be present, tolerant or later germinating, as well as extend the residual activity, the application of an approved post-weed emergence herbicide may be necessary.

Broad-leaved weeds	Brassicacae, Chickweed, Cleavers, Field pansy, Field madder, Hedge mustard, Mouse-ear chickweed, Rayless chamomile, Scentless chamomile, Seedling docks, Shepherd's purse, Sow thistle, Speedwell, Spurrey, Storksbill, Vetch, Wireweed
Grass weeds	Annual poa, Vulpia hair grass

Established grasses and broad-leaved weeds growing from rootstocks will not be controlled by DIFCAN Xtra. Speed of activity can be slow and is dependent on temperature and growing conditions. Activity can be slow under cold conditions and the final level of weed control may take some time to appear. Soil moisture content is required to activate DIFCAN Xtra, and moist soil at and after application is required to give the best results. Residual control may be reduced under prolonged dry conditions.

Following Crops and Crop Failure

Plough or cultivate to at least 15 cm before planting crops of oilseed rape, field beans and brassicae. Ensure thorough soil mixing before planting. Plough at least 15 cm before planting peas, beets, carrots and onions. Ensure thorough soil mixing before planting. Wheat, barley and potatoes can be drilled without special cultivations.

In the event of crop failure, for any reason, plough at least 15 cm and sow only wheat, barley and potatoes. An interval of 12 weeks should lapse between treatment and subsequent sowing of spring wheat and spring barley.

Where DIFCAN Xtra and other products containing diflufenican are applied to

successive cereal crops, levels of diflufenican will build up in soil. Ploughing or cultivation, with complete inversion of the furrow, must take place before planting any following non-cereal crop, except potatoes. Even where ploughing or cultivation is carried out there may still be a risk of damage to following crops or onions, leek and related species, or clover.

RESISTANCE MANAGEMENT

GROUP	12 + 15	HERBICIDE
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DIFCAN Xtra contains diflufenican a GROUP 12 herbicide belonging to the Pyridinecarboxamides group of chemistry. It inhibits carotenoid biosynthesis at the phytoene desaturase step.

Flufenacet is a GROUP 15 herbicide and it inhibits cell division. Despite DIFCAN Xtra having two modes of action, certain biotypes may become resistant. To minimize the risk of these weeds dominating the population, use strictly in accordance with label instructions.

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

WITHHOLDING PERIOD

Wheat and barley: Do NOT graze or feed crops to animals for 42 days after treatment.

CONDITIONS OF SALE

As the use of this product is beyond the control of AGPRO NZ Ltd, no warranty expressed or implied, beyond that covered under the Fair Trading Act is given by AGPRO NZ Ltd regarding its suitability, fitness, or efficacy for any purpose for which it is used by the user, whether in accordance with the directions or not. AGPRO NZ Ltd accepts no responsibility for any consequence whatsoever resulting from the use of this product.

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