

Firebird®

Net contents : 3/5/10/15 L

Herbicide

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

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

Registered pursuant to the ACVM Act 1997, No P8095
See www.foodsafety.govt.nz for registration conditions.

Approved pursuant to the HSNO Act 1996, No HSR100012
See www.epa.govt.nz for approval conditions

DG Information



UN 3082
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S (FLUFENACET, DIFLUFENICAN SOLUTION)
PACKING GROUP III
CLASS 9
HAZCHEM CODE 3Z

IN A TRANSPORT EMERGENCY DIAL 111 POLICE OR FIRE BRIGADE

WARNING
KEEP OUT OF REACH OF CHILDREN
HSNO Classifications:



Harmful if swallowed.

May cause an allergic skin reaction.

May cause damage to organs through prolonged or repeated exposure.

Very toxic to aquatic life with long lasting effects.

Very toxic to the soil environment.

Harmful to terrestrial vertebrates.

PRECAUTIONS:

Read label before use.

Do not eat, drink or smoke while using this product.

Avoid breathing dust/mist/vapours/spray. Use only outdoors or in a well –ventilated area.

Remove protective clothing and wash hands and face thoroughly before meals and after work.

Avoid contact with the skin and eyes

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

Do not apply directly into or onto water

PERSONAL PROTECTION:

When handling, wear full protective clothing such as impervious gloves, respirator, waterproof hat, coat and trousers (worn outside rubber boots).

STORAGE: Store in original container tightly closed and in a locked dry, cool, well-ventilated area, away from foodstuffs.

SPILLS AND DISPOSAL: When dealing with spills wear personal protective clothing and equipment as described in the PERSONAL PROTECTION section.

Contain the spill by damming, recover spilt product by absorbing with sawdust or an inert absorbent material then transfer the recovered spilt material to a properly labelled drum. Deal with all spillages immediately. If contamination of drains, streams, watercourses, etc. is unavoidable, warn the local water authority.

Disposal: Dispose of this product only by using according to the label or at an approved landfill. Avoid contamination of any water supply with product or empty container.

Container Disposal: Triple rinse container and add residue to mixture. Take to an Agrecovery collection site.

FIRST AID:

If swallowed, do NOT induce vomiting. For advice, contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. If skin contact occurs, remove contaminated clothing and flush skin with running water. If splashed in eyes, wash out immediately with water, if irritation persists get medical advice. If inhaled, move the victim to fresh air immediately.



DIRECTIONS FOR USE:

MIXING: Shake the container well before use. Half fill the spray tank with clean water and add the required amount of Firebird. Wash out the container and add the washings to the spray solution, before topping up with clean water. Maintain continuous agitation of spray solution. Do not leave the sprayer filled with the spray solution standing for long periods. Wash out the sprayer thoroughly after use using a wetting agent or proprietary tank cleaner.

APPLICATION: Apply through any standard crop sprayer capable of giving uniform coverage at a spray volume of 200 - 300 L/ha. Use spray pressures of at least 200 kPa and select nozzles capable of producing fine spray droplets. Avoid overlaps. The seedbed should be moist, of good tilth, and free of clods and trash.

COMPATIBILITY:

Firebird is compatible with commonly-used herbicides. Talk to your agchem supplier about suitable tank-mix partners.

RESISTANCE MANAGEMENT

Group	12 + 15	Herbicide
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Diflufenican is a pyridinecarboxamide herbicide. It inhibits carotenoid biosynthesis at the phytoene desaturase step. Flufenacet is a oxyacetamide herbicide and it inhibits cell division. Despite having two modes of action in Firebird, certain individual biotypes may become resistant. To minimise the risk of these weeds dominating the population, use strictly in accordance with the label directions.

RECOMMENDATION:

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

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

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

HSNO RESTRICTIONS:

DO NOT apply at rates exceeding 500 ml/ha.

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

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). **Firebird** must not be applied onto or into water.

DO NOT apply aerially.

Application of **Firebird** must NOT cause adverse effects to any water body or non-target plants outside the application area.



[Signature]
18/10/2023

Management of spray drift

DO NOT apply when wind speeds are less than 3 km/hr or more than 20 km/hr.

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 Production Council guideline.

The following buffer zones must be observed from downwind water bodies:

- 300 ml/ha – 2 metres
- 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 **Firebird** 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.

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	Grass Weeds
Brassicacae	Annual poa
Chickweed	Vulpia hair grass
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	

Established grasses and broad-leaved weeds growing from rootstocks will not be controlled by **Firebird**. Speed of activity can be slow and is dependent on temperature and growing conditions. Activity can be slow under cool conditions and the final level of weed control may take some time to appear. Some soil moisture is required to activate **Firebird**, 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 following crops of oilseed rape, field beans and brassicae. Ensure thorough soil mixing before planting. Plough to 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 any special cultivations. In the event of crop failure, for any reason, plough to at least 15 cm and sow only wheat, barley and potatoes. An interval of 12 weeks should elapse between treatment and subsequent sowing of spring wheat and spring barley.

Where Firebird and other products containing diflufenican are applied to successive cereal crops, levels of diflufenican will build up in the 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 of onions, leek and related species, or clover.

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 SUPPLY: READ THESE CONDITIONS OF SUPPLY BEFORE BUYING AND USING. IF THESE CONDITIONS ARE UNACCEPTABLE, RETURN AT ONCE UNOPENED.

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Date of Manufacture:

Batch No:

Firebird® is a registered trademark of the Bayer Group

Bayer

Registered to:

Bayer New Zealand Limited

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EMERGENCY RESPONSE SERVICE (24 hrs) 0800 734 607

