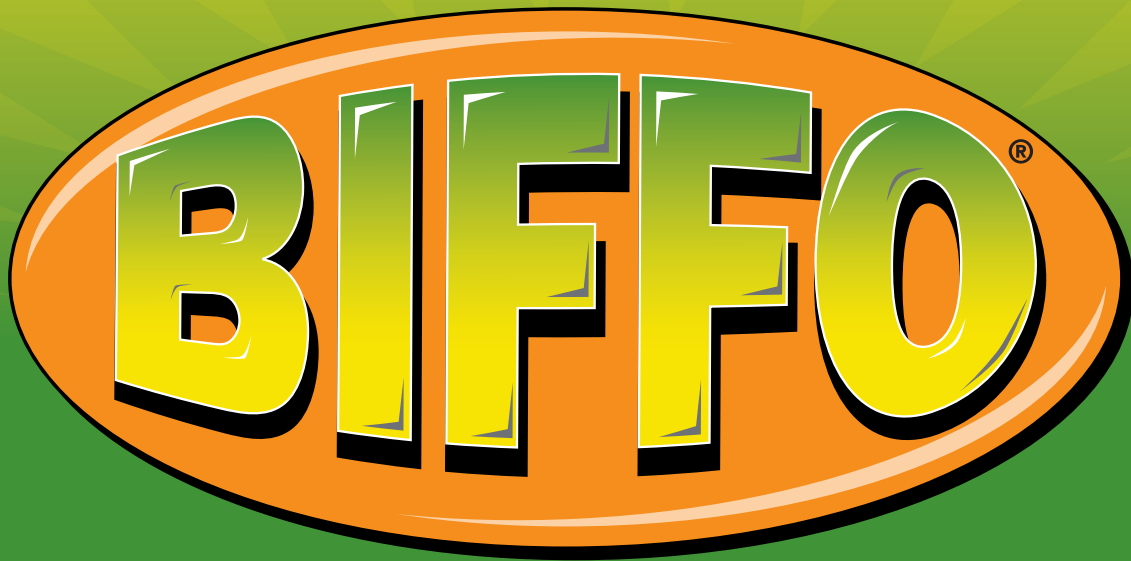


WARNING - Combustible liquid
HARMFUL - Keep out of reach of children
ECOTOXIC



01-16/PS/A0175-20LNZ1.2

Active Ingredient: 200g/litre glufosinate-ammonium in the form of a soluble concentrate.

A non-selective contact herbicide for the control of a wide range of grasses and broadleaf weeds including clover.

Net: 20 Litres



Grow a better tomorrow.

HAZARD CLASSIFICATION: 3.1D, 6.1D, 6.3B, 6.4A, 6.8B, 6.9A, 9.1C, 9.2B, 9.3C

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

FLAMMABLE

- Warning – combustible liquid. Keep away from sources of ignition.

TOXICITY

- Toxic – may cause kidney damage from repeated oral exposure at high doses
- Harmful – may be harmful if swallowed, inhaled or absorbed through the skin. May cause skin and eye irritation. May cause reproductive/developmental damage from repeated oral exposure.

ECOTOXIC

- Harmful to aquatic organisms with long-lasting effects. Avoid contamination of any water supply with product or empty container. Do not apply onto or into water.
- Non selective herbicide – very toxic to some plant species.
- Harmful to terrestrial vertebrates.

Beware: Spray drift hazard. Apply this product carefully. Spray drift may cause serious damage to other desirable plants. Do not allow drift to occur outside the target area.

HANDLING PRECAUTIONS

STORAGE

- Do not store near heat or flame.
- Store in original container tightly closed and in a locked, dry, cool area away from foodstuffs, seeds and fertilizers. Store in accordance with NZS 8409 Management of Agrichemicals.
- Stores containing 1000 litres of Biffo require secondary containment and signage, and more than 1000 litres require emergency response plans. Do not store with Class 1, 2, 3.2, 4, or 5 substances.
- Stores containing 500 litres must have at least 2 fire extinguishers.

PERSONAL PROTECTION

- Avoid contact with skin and eyes and avoid breathing spray mist. Do not eat, drink or smoke while using.
- When handling wear eye protection, waterproof gloves, boots and overalls. Remove protective clothing and wash hands and face thoroughly before meals and after work.

EQUIPMENT

- Apply using well maintained and accurately calibrated spray equipment.
- Flush equipment thoroughly with clean water after use.

DISPOSAL

- Triple rinse empty container and add rinsate to spray tank. Recycle empty container. Otherwise crush and bury in an approved landfill.
- Dispose of product only by using according to the label or at an approved landfill.

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 or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If splashed in eyes, wash out immediately with water.

Spillage: Wear appropriate protective clothing. Extinguish all ignition sources and exclude bystanders from the vicinity of the spill. Contain liquid spill and prevent material from entering waterways or coming into contact with Class 1, 2, 3.2, 4, or 5 substances. Absorb spills with inert material and place in waste containers. Wash area with water and absorb with further inert material. Dispose of waste safely in an approved landfill.

Transport: Do not carry Biffo on a passenger service vehicle.

Record Keeping: Records of use as described in NZS8409 Management of Agrichemicals, must be kept whenever Biffo is used.

GENERAL INFORMATION

It is an offence for users of this product to cause residues exceeding the relevant MRL in the New Zealand (Maximum Residue Limits of Agricultural Compounds) Food Standards.

RESISTANT WEEDS WARNING

Biffo contains a **GROUP 14 HERBICIDE** belonging to the phosphinic acids group of herbicides, with the inhibition of glutamine synthetase mode of action. Some naturally occurring weed biotypes resistant to glufosinate-ammonium may exist through normal genetic variability in any weed population. The resistant individuals can eventually dominate the weed population if this herbicide is used repeatedly. To minimise this risk use strictly in accordance with label instructions and resistance management strategies at www.resistance.nzpps.org/

GENERAL INFORMATION

Biffo is absorbed into the foliage and green stems of actively growing plants. It is inactive in soil and is not translocated as an active herbicide, so thorough coverage of target weeds is essential for good results. Biffo disrupts ammonium metabolism in the plant, leading to an accumulation of ammonium and inhibition of photosynthesis. Visual effects of treatment will become evident more rapidly under ideal growing conditions, generally within 3-10 days.

Rainfall within 2 hours of application may wash Biffo off the foliage and within 6 hours will reduce effectiveness to the degree that re-treatment may be necessary.

Note: Do not spray in temperatures below 10°C. Avoid contact on green parts (including immature bark) of desirable plants, as damage may occur. Do not mow or cultivate after treatment until weeds start to die off.

Mixing: Add the required amount of Biffo to a partly filled spray tank with the agitation system operating then complete filling the tank with water. Maintain agitation during spraying.

DIRECTIONS FOR USE:

Use	Rate	Notes
Berryfruit: raspberries and brambles - primocane control	500-750ml/100 litres water applied through cone nozzles in sufficient water to ensure coverage of primocanes	Apply as a directed high volume spray to primocanes not exceeding 25cm in length. Avoid drift onto foliage of fruiting canes. Use the high rate on vigorously growing crops. The addition of a non-ionic wetter at label rates is recommended. It will take approximately 10 days to begin seeing results. Do not apply to plants before the first primocanes for the season have reached 15cm in height. Do not apply to plants under stress.
Orchards and vineyards: pipfruit, kiwifruit, stonefruit, grapes and citrus weed control	Use a rate appropriate to the weeds present. If the dilution rate is less than 1L/100L water, add a non-ionic wetter at label rates.	Apply in spring when the majority of the annual weeds have germinated. Residual herbicides may be applied in mixture for long-term weed control. Avoid contact with the foliage and immature bark of desirable plants.
Stale seedbed preparation particularly where clover is a problem weed.	3-5L/ha in 200-300L water/ha.	Apply to seedling weeds and clover in sufficient water to ensure complete coverage. May be applied up to one day before crop emergence
Non-crop land and general weed control	7.5-10L/ha in 300-500L water/ha or 100ml/10L knapsack	Apply in a drenching spray to the point of run-off. May be mixed with residual herbicides for long term weed control.

Withholding period: 28 days all crops

WEEDS CONTROLLED:

Weeds	Rate
Annual poa, asparagus seedlings, beaked hawkbeard, black nightshade, calandrinia, chickweed, cleavers, clover seedlings, cornbind, daisy, dandelion, mouse-ear chickweed, musky storksbill, redroot, rough-stalked meadow grass, Scotch thistle, sow thistle, staggeweed, summer grass, spurrey, stinking mayweed, subterranean clover, wild turnip, willow weed, wireweed	3 - 5 litres per hectare
Bristle grass, bur medic, catsear, Chewing's fescue, clovers, cut-leaved geranium, docks, fleabane, parsley piert, prairie grass, ryegrasses*, sheep's sorrel, storksbill, strawberry, twin cress, Yorkshire fog	5 - 7.5 litres per hectare
Broom, buttercups*, couch, field pansy, crowfoot, grass, gorse, hawkbeard, kikuyu, mallows, paspalum, tall fescue, wild strawberry, willow herb, yarow	7.5 - 10 litres per hectare
Bracken, meadow rice grass, plantains, rape, rushes, sedges, Indian doab	10 litres per hectare

*Resistant weeds:

Hairy buttercups and some ryegrass strains are resistant to Biffo.

Weed susceptibility:

The lower rates indicated are appropriate when weeds are young, succulent and actively growing or when the weed population is sparse and good coverage and penetration is possible. Use the higher rates when weeds are mature or the population is dense.

NB. Biffo will not completely control mature weeds with well developed tap roots or underground storage organs: some re-growth may occur following treatment.

Registered pursuant to the ACVM Act 1997, No. P9268

See www.foodsafety.govt.nz for registration conditions.

Approved pursuant to the HSN0 Act 1996, Approval Code HSR000152

See www.epa.govt.nz for approval controls.

®Biffo is a registered trademark of Nufarm Limited.

CONDITIONS OF SALE:

CAUTION: READ THIS NOTICE BEFORE OPENING THE CONTAINER

If you open this container you will be deemed to have accepted the conditions below.

The results from use of this product may be affected by factors beyond Nufarm's control, including mixing, use, climatic conditions, time of application, crop or crop stage and the possible development of resistance to the active ingredient, even though the product is reasonably fit for the purposes stated in this label, and even though label directions are followed. Nufarm will replace, free of charge, any product which is found to have a manufacturing defect. To the extent permitted by law, all other warranties, guarantees, representations and conditions, whether expressed or implied by law, trade, custom or otherwise are expressly excluded.

When you use this product, you agree that neither Nufarm Limited nor any manufacturer of any component of the product will be liable for any damage, injury or loss including consequential loss which arises in any way from the storage, handling, or use of the product. This exclusion of liability includes loss caused by negligent acts or omissions of Nufarm Limited or any supplier or manufacturer of the product or any of their employees and agents.

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Batch No:

D.O.M:

Nufarm Emergency PhoneInk: 0800 651 911 toll free 24 hours