

DANGER

KEEP OUT OF REACH OF CHILDREN

Bastnate™

HERBICIDE

A non-selective contact herbicide for the control of a wide range of broadleaf and grass weeds in orchard, vineyards and non-cropland areas.

ACTIVE INGREDIENT: *Contains 200 g/litre glufosinate-ammonium
in the form of a soluble concentrate*

Net Contents: 20L

Registered pursuant to the ACVM Act 1997, P8753.
See www.foodsafety.govt.nz for registration conditions.
Approved under the HSNO Act 1996, Approval Code HSR100830.
See www.epa.govt.nz for approval controls.

Distributed by:
AGPRO NZ Ltd
10 Polaris Place, East Tamaki, Auckland 2013
PO Box 58-963, Botany, Auckland 2163
Ph 09 273 3456
www.agpro.co.nz

AGPRO

READ THE LABEL COMPLETELY BEFORE MIXING OR APPLYING.



HAZARD Classifications

Skin irritation Category 2, Eye irritation Category 2, Reproductive toxicity Category 2, Specific target organ toxicity (repeated exposure) Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates, Hazardous to the aquatic environment chronic Category 3.

TOXICITY DANGER

Causes target organ damage from repeated or prolonged oral exposure at high doses. Skin and serious eye irritant. Suspected of causing reproductive/development damage from repeated oral exposure.

ECOTOXICITY

Harmful to aquatic organisms with long lasting effects. Toxic to the soil environment. Harmful to terrestrial vertebrates.

Non-Selective Herbicide – very toxic to some plant species. Do not apply onto or into water. Avoid contamination of any water supply with product or empty container.

Beware: Spray drift hazard. Apply this product carefully. Spray drift may cause serious damage to other desirable plants. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.

PRECAUTIONS

PERSONAL PROTECTION

When mixing or applying wear chemical resistant gloves made of materials such as polyvinyl chloride or neoprene, chemical resistant boots, cotton overalls buttoned neck and wrist and a washable hat. Avoid inhaling spray mist. Avoid contact with the eyes. Do not eat, drink or smoke while using. Remove protective clothing immediately after handling this product and wash hands and face before meals and after work. Wash protective clothing before reuse.

STORAGE

Store in original container tightly closed and in a locked dry, cool, well-ventilated area, away from foodstuffs, fertilizers and seeds. Storage must be in accordance with the current version of the New Zealand Standard for the Management of Agrichemicals (NZS 8409). Stores containing more than 1000L **Bastnate** require secondary containment, signage and an emergency response plan.

Batch Number:

Date of Manufacture:



LBL014.1

SPILLS

Do not touch or walk through any spilled material. Wear protective equipment as recommended above. Stop leak when safe to do so. Dam area and prevent entry into waterways, and drains.

Small spills/leaks: Absorb with proprietary absorbent suitable for chemical spills or inert material such as sand, soil or sawdust. Collect spilled product and place in sealable, labelled 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 according to local regulations.

DISPOSAL

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

Product: Dispose of this product only by using according to the label or at an approved facility.

Container: Triple rinse empty container and add rinsate to the spray tank. Recycle empty container at an approved recycling facility. Otherwise crush and bury empty container in a suitable landfill. Do NOT use the container for any other purpose.

FIRST AID

For advice, contact the National Poisons Centre 0800 POISON (0800 764766) or a doctor. If medical advice is needed have product container or label to hand.

If exposed or concerned, get medical advice.

IF SWALLOWED: Do NOT induce vomiting. Rinse mouth. Get medical advice if you feel unwell.

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/attention.

IF SKIN OR HAIR CONTACT OCCURS: Remove contaminated clothing and flush skin and hair with running water. If skin irritation occurs, get medical advice/attention.

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call the Poisons Centre or a doctor if you feel unwell. Apply artificial respiration if not breathing.

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).

SAFETY DATA SHEET

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

GENERAL INFORMATION

Bastnate is a non-selective herbicide which is active against a wide range of broadleaf and grass weeds in orchard, vineyards and non-cropland areas.

BWARE: APPLY THIS PRODUCT CAREFULLY. SPRAY DRIFT MAY CAUSE SERIOUS DAMAGE TO OTHER DESIRABLE PLANTS.

DIRECTIONS FOR USE

MIXING

Add the required amount of **Bastnate** to a partly filled spray tank with the agitation system operating. Complete filling the tank with water and apply, maintaining agitation.

Compatibility

Bastnate is compatible with most commonly used residual herbicides.

RECOMMENDATIONS FOR USE

For ground-based application methods only. Maximum rate 10L/ha (2.03 kg active/ha) applied a maximum of twice for year and with minimum application interval of 90 days.

Use	Rate	Remarks
Berryfruit - Raspberries and Brambles Primocane control	500-750 ml/100 litres applied through cone nozzles in sufficient water to ensure complete 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. "Knockdown" takes approximately 10 days. Do not apply to plants before the first primocanes for the season have reached 15 cm in height. Do not apply to plants under stress.
Orchard and vineyard weed control. Pipfruit, kiwifruit, Stonefruit. Grapes and Citrus.	Use a rate appropriate to the weeds present. If dilution rate is less than 1 litre/100 litres of 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	3-5 litres/ha in 200-300 litres of water	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. General weed control.	7.5-10 litres/ha in 300-500 litres of water, or 100 ml/10 litre knapsack.	Apply in a drenching spray to the point of run-off. May be mixed with residual herbicides for long-term weed control.

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: 28 days for all crops.

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.

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

Indicated Rate Range for Major Weeds

Annual Poa, Asparagus seedlings, Beaked hawksbeard, Black nightshade, Calandrinia, Chickweed, Cleavers, Clover seedlings, Cornbind, Daisy, Dandelion, Mouse-ear chickweed, Musky storksbill, Redroot, Rough-stalked meadow grass, Scotch thistle, Sow thistle, Staggerweed, Summer grass, Spurrey, Stinking mayweed, Subterranean clover, Wild turnip, Willow weed, Wireweed.	3-5 litres/ha
Bristle grass, Bur medick, 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/ha
Broom, Buttercups*, Couch, Field pansy, Crowfoot grass, Gorse, Hawksbeard, Kikuyu grass, Mallows, Paspalum, Tall fescue, Wild strawberry, Willow herb, Yarrow.	7.5-10 litres/ha
Bracken, Indian doab, Meadow rice grass, Plantains, Rape, Rushes, and Sedges.	10 litres /ha
* Resistant Weeds: Hairy buttercups, some Ryegrass strains.	

Additional Information

Bastnate 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.

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 **Bastnate** off the foliage, and within 6 hours will reduce effectiveness to the degree that re-treatment may be necessary.

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.

RESISTANCE MANAGEMENT

GROUP	10	HERBICIDE
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Bastnate is a phosphonic acid herbicide that inhibits glutamine. 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.

CLEANING AND DECONTAMINATION

After using spray equipment, flush all equipment and lines with clean water. If the same equipment which applied **Bastnate** is to be used for any application onto or around sensitive crops, ensure that all spray equipment is washed well and decontaminated.

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.

Registered to:

Shandong Rainbow International Co Ltd
19th & 20th Floor, Hanyu Financial Centre
Building A3-4, No. 7000 East Jingshi Road
Jinan, China 250101.

NZ Address:

6 Horlicks Place, Randwick Park, Auckland 2105
Tel: (021) 02886306

