

orion AGRISCIENCE

DANGER

KEEP OUT OF REACH OF CHILDREN



BashTM

HERBICIDE

A non-selective herbicide for the control of a wide range of grasses, broad-leaved weeds and clover

Active Ingredient:

200 g/litre glufosinate-ammonium in the form of a soluble concentrate



9 421004 53264 8

5 Litres

PLEASE READ THE LABEL COMPLETELY BEFORE USE

HAZARD CLASSIFICATIONS:

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

DANGER: TOXIC, ECOTOXIC

Causes serious eye irritation. Suspected of damaging fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure. Harmful to aquatic life with long lasting effects. Toxic to the soil environment. Harmful to terrestrial vertebrates.

PRECAUTIONS

PERSONAL PROTECTION:

Avoid contact with eyes and skin. Avoid inhalation of spray mist. When mixing or applying, wear overalls, boots, gloves, and eye protection. Clean protective clothing daily after work. Do not eat, drink or smoke while using. Remove protective clothing and wash hands and face thoroughly before meals and after work.

STORAGE:

Keep out of reach of children. Store in the original, tightly closed container, in a secure place away from foodstuffs. Storage of certain quantities of this product trigger specific storage requirements (Refer to Safety Note). When stored appropriately this product should show no significant degradation for two years from the date of manufacture. Contact your supplier for further information about the use of product that is older than this.

DISPOSAL:

Dispose of this product only by using in accordance with this label, or at a suitable landfill. Triple rinse container and add rinsate to the spray tank. Dispose of container to a suitable landfill or agricultural recycling scheme. Do not burn. Do not use container for any other purpose.

ENVIRONMENTAL:

Use this product carefully. Do not contaminate aquatic environments with product, spray drift or empty container. Do not allow spray drift outside the target area to occur.

FIRST AID

If medical advice is needed, have the product container or label at hand. If swallowed do not induce vomiting. If splashed in eyes, wash out immediately with running water for several minutes. If skin or hair contact occurs, remove contaminated clothing and wash with soap and running water. If inhaled, immediately move to fresh air and rest. Maintain half upright position if breathing is difficult. Call the National Poisons Centre **0800 POISON (0800 764 766)** (24 hrs) or a doctor immediately for advice.

EMERGENCY RESPONSE

In a transport emergency call **111, Police or Fire Brigade**. For specialist advice in an emergency only, call **0800 CHEMCALL (0800 243 6225)** (24 hrs).

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, and place in a waste container. Wash area with water and detergent, and absorb with further inert material. Dispose of safely to a suitable landfill.

SAFETY DATA SHEET

Additional information is provided in the safety data sheet. Freephone **0800 ORIONAS (0800 674 6627)** or visit **www.orionagriscience.co.nz**.

Batch No:

Date of manufacture:

WARRANTY

This formulation is warranted to contain the specified active ingredient within accepted analytical tolerance when packed. The user bears the risk for damage resulting from factors beyond the manufacturer's control. The manufacturer declines all liability for damage resulting from improper storage or use of the product.

Registered pursuant to the ACVM Act 1997, No. P7753
See www.foodsafety.govt.nz for registration conditions.
Approved pursuant to the HSNO Act 1996, No. HSR007813
See www.epa.govt.nz for approval controls.

™BASH, SIMATOP and SYNERGY are Trade Marks of Orion AgriScience Ltd.

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www.orionagriscience.co.nz



BASH

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GENERAL INFORMATION

Bash is a broad spectrum knockdown herbicide for use against a wide range of grasses, broad-leaved weeds and clovers. Bash is a contact herbicide, so thorough coverage of target weeds is essential. Bash has no residual activity, but may be tank mixed with residual herbicides such as Simatop™ for longer term weed control.

NOTE: Do not allow spray or spray drift to contact any green parts (including immature bark) of desirable plants, as these plants may be damaged or killed. Avoid mowing or cultivation of treated vegetation until weeds begin to die. Avoid spraying where the temperature is below 10°C.

DIRECTION FOR USE

Apply with well maintained and calibrated spray equipment.

APPLICATION METHODS

Bash can be applied with conventional ground spraying equipment. Uniform coverage is essential.

MIXING

Bash mixes readily with water. To ensure uniform mixing, 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. If tank mixing with other products, add suspension concentrate formulations such as Simatop™, and mix thoroughly before adding Bash.

COMPATIBILITY

Bash may be tank mixed with most commonly used agrichemicals.

RAINFALL

Do not apply if rain is expected within 2 hours of spraying. If rainfall occurs within 6 hours of spraying, effectiveness may be reduced, necessitating a further treatment.

WITHHOLDING PERIOD

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

All Crops 28 days

RESISTANCE MANAGEMENT

GROUP	10	HERBICIDE
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Bash contains glufosinate-ammonium, which belongs to the Inhibition of glutamine synthetase mode of action group. Some naturally occurring weeds may become resistant when excessive use of the same herbicide occurs. To prevent or delay the development of resistance, use in tank mixes and/or rotate use with herbicides with a different mode of action. Consult <http://resistance.nzpps.org/index.php> for alternative modes of action and details of resistance management strategies (if any) for the crops listed on the label.

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RATES OF APPLICATION

CROP	RATE	CRITICAL COMMENTS
Berryfruit for Primocane Control – Brambles, Raspberries	500 – 750 mL / 100 L	Apply as a directed high volume spray in sufficient water to ensure complete coverage of the primocanes. Apply to primocanes less than 25 cm long. Do not apply before the first primocanes of the season have reached at least 15 cm in height. Use the higher rate on vigorously growing crops. The addition of a non-ionic surfactant such as Synergy™ Wetter Sticker at 25 mL/100 L is recommended. Do not apply to plants under stress. Avoid drift onto fruiting canes.
Orchard and Vineyard for Weed Control – Citrus, Grapes, Kiwifruit, Pipfruit, Stonefruit	Select rate from ‘Weeds Controlled’ table below	Apply in spring after germination of most annual weeds. May be applied in a tank mix with residual herbicides such as Simatop™. If dilution rate is less than 1 L / 100 L, add Synergy Wetter Sticker at 25 mL/100 L.
Stale Seedbed Preparation (Particularly where clover is present)	3 – 5 L/ha	Apply to seedling weeds and clover in sufficient water to ensure complete coverage (Recommendation: 200 – 300 L/ha of water). May be applied up to one day before crop emergence.
Non-Crop land	7.5 - 10 L/ha or 150 mL/15 L knapsack	Apply as a high volume spray to the point of run-off (Recommendation: 300 – 500 L/ha of water for broadcast application). May be applied in a tank mix with residual herbicides such as Simatop™.

RATE (L) per HECTARE	WEEDS CONTROLLED
3 – 5	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.
5 – 7.5	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.
7.5 - 10	Broom, Buttercups*, Couch, Field pansy, Crowfoot grass, Gorse, Hawksbeard, Kikuyu grass, Mallows, Paspalum, Tall fescue, Wild strawberry, Willow herb, Yarrow.
>10	Bracken, Plantains, Rape, Rushes, Sedges.

*Some Ryegrasses and Hairy buttercup are resistant to Bash
NOTE: Use lower rates where weeds are young and actively growing, or where the weed population is sparse and good coverage is possible. Use higher rates where weeds are mature, or where the weed population is dense. Weeds with well developed tap roots or underground storage organs may not be controlled, and regrowth may occur following treatment.