

WARNING

KEEP OUT OF REACH OF CHILDREN • READ LABEL BEFORE USE



FLUME®

06-20/PS/04280-20LNZI.2

SCAN ME



**CONTAINS A PROPRIETARY
BLEND OF ORGANO SILICONE
AND NON-IONIC ADJUVANTS**

A superior spreading adjuvant to improve coverage of horticultural and agricultural products in low volume applications.

Contents:

20 LITRES



9 414614 428029

The Nufarm logo, featuring a stylized green leaf icon and the word "Nufarm" in a bold, sans-serif font.

Grow a better tomorrow

HAZARD CLASSIFICATION: 6.1D, 6.3B, 6.4A, 9.1B, 9.3B



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

TOXICITY

• Warning – harmful if swallowed or inhaled. Causes eye irritation and mild skin irritation.

ECOTOXIC

- Toxic to aquatic life with long lasting effects. Do not apply directly onto or into water. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.
- Toxic to terrestrial vertebrates.

HANDLING PRECAUTIONS

- STORAGE:**
- Store in original container tightly closed and in a locked, dry, cool area, away from foodstuffs. Store in accordance with NZS8409 Management of Agrichemicals.
 - Stores containing 1000 litres of Flume are subject to signage and secondary containment and more than 1000 litres require emergency response plans.

PERSONAL PROTECTION

- Avoid contact with skin and eyes and inhalation of spray mist. Do not eat, drink or smoke when using this product. When mixing or applying wear impervious gloves, eye protection, waterproof hat, overalls and boots. Avoid breathing fumes, mist or spray. Wash splashes of concentrate from skin immediately. Remove protective clothing and wash hands and face thoroughly before meals and after work. Wash protective clothing daily after work. Use only outdoors or in a well-ventilated area.

EQUIPMENT

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

DISPOSAL

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

First Aid: If medical advice is needed, have the product container or label at hand. IF SWALLOWED: Rinse mouth. Call the National Poisons Centre 0800 POISON (0800 764 766) or a doctor if you feel unwell. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call the National Poisons Centre or a doctor if you feel unwell. IF ON SKIN: Wash with plenty of soap and water. If skin 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 attention.

Spillage: Wear appropriate protective clothing and prevent material from entering waterways. Absorb spill 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.

PRODUCT INFORMATION

Flume is a non-ionic non-penetrating surfactant blend to improve coverage of foliar applied products in low water volume concentrate spraying applications to horticultural and agricultural crops. Flume lowers the surface tension of spray solutions and spreads rapidly over the plant surface when used at recommended rates in low water volumes.

Flume is particularly suited to low volume spraying including aerial applications. Flume is partially resistant to light rainfall only. If rain or overhead irrigation is likely to occur within a few days of treatment, substitute Flume with Bond Xtra® in the same low water volumes. The latex-based spreader will improve rain resistance and reduce wash-off.

DIRECTIONS FOR USE

Flume will give best results in low water volume spraying. Typically this is 30% or less of the normal volume of water used when sprayed dilute to point of run-off (depending on crop type and sprayer type). Do not use high water volumes with Flume as this will result in excessive run-off of spray and poor results. When using Flume always adjust water volumes to obtain thorough coverage without run-off.

Mixing:

1. Half fill spray tank with water with agitation running.
2. If foaming is expected add Foam Wrecker to the half-filled tank before adding any agrichemicals.
3. Add agrichemicals and foliar nutrients as directed on their respective labels. Maintain agitation.
4. **SHAKE FLUME CONTAINER THOROUGHLY** and add the required amount **AFTER** all other agrichemicals are thoroughly mixed in the tank.

RECOMMENDATIONS:

AERIAL AND GROUND APPLICATIONS

Agrichemical application rates should be based on dilute spraying to the point of run-off. Spray water volumes should be around 25-30% of the dilute rate. The chemical rate per hectare remains the same as the high volume per hectare rates.

Flume rates are determined by both the wettability of the crop surface to be sprayed and the quantity of agrichemicals in the spray mix. Use the higher rates when adding more agrichemicals to the spray tank.

***Note: If the total quantity exceeds 5 kg and/or L per hectare increase the rate of Flume by 50ml/ha for each extra kg or litre.**

Easy to wet crops

Potatoes, tomatoes, beans, lettuce, etc - Use Flume at 150-300ml/ha*

Moderate to wet crops

Beet, grape leaves, bramble leaves, squash, cucurbits, etc - Use Flume at 200-350ml/ha*

Difficult to wet crops:

Brassicac, cereals, onions, peas, grasses, tomato fruit, grape bunches, bramble fruit, etc, - Use Flume at 250-500ml/ha*

Pip and stonefruit crops – Use Flume at 200-250ml/ha

Citrus and avocados – Use Flume at 200ml/ha

KIWIFRUIT

1. The water rate should be 50% or less of normal dilute spraying to point of run-off (at least 2x concentrate) and the Flume rate should be changed as the water rate and canopy increases during the season. Use Flume at 50 – 60ml/100 litres of water, with a maximum of 500ml/ha at full canopy.

2. If wet weather is expected within a few days of application, substitute Flume with Bond Xtra at **double** the Flume rate above e.g. 400ml Flume = 800ml Bond Xtra/ha.

Compatibility

Flume is compatible with most commonly used fungicides, insecticides and plant growth regulators but be aware that some formulations of agricultural chemicals – usually solvent or oil-based products - may be antagonistic and reduce the spreading properties of Flume. Adding more Flume will maintain coverage. Check regularly to ensure an even film (not specific droplets) is covering plant surfaces. If not, add more Flume – not more water. Flume will break down rapidly when mixed with highly acidic or highly alkaline agrichemicals and poor wetting may result.

NOTES

1. Optimum spreading and wetting from Flume occurs within the range of pH5 to pH9. Spray mixtures should be adjusted to be within the correct pH range to avoid breakdown of the agrichemicals and Flume.
2. Flume has demonstrated good plant safety. However not all plants and spray mixtures have been tested. Treatments that have a potential for phytotoxicity could be aggravated by Flume. Before treating large areas, a small area should be tested and the results observed.
3. Do not add any other adjuvants to Flume other than those products named on this label.
4. **DO NOT USE ON ANY ORNAMENTAL CROPS AS THESE HAVE NOT BEEN TESTED**

CONDITIONS OF SALE:

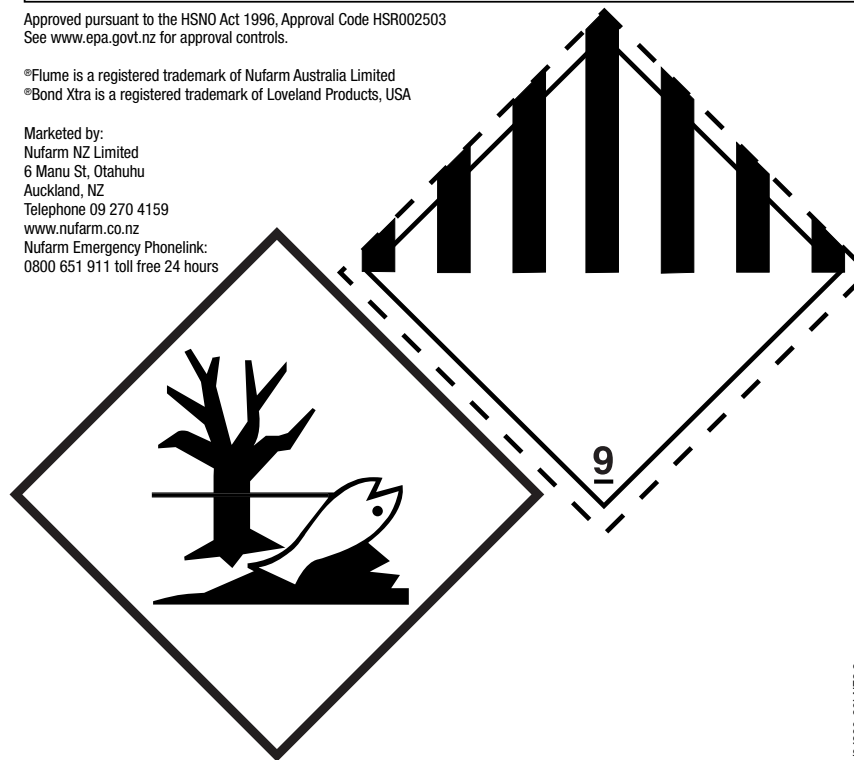
CAUTION: READ THIS NOTICE BEFORE OPENING THE CONTAINER

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.

Approved pursuant to the HSNO Act 1996, Approval Code HSR002503
See www.epa.govt.nz for approval controls.

®Flume is a registered trademark of Nufarm Australia Limited
®Bond Xtra is a registered trademark of Loveland Products, USA

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Nufarm Emergency Phonenumber:
0800 651 911 toll free 24 hours



Batch No:

DOM:

PROPER SHIPPING NAME	HAZARD CLASS	UN No.	HAZCHEM	PACKING GROUP
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains siloxane polyalkyleneoxide copolymer)	9	3082	2Z	III