



HARMFUL
KEEP OUT OF REACH OF CHILDREN

ECOTOXIC
AVOID ENVIRONMENTAL CONTAMINATION

AQUASPREAD[®]

SUPER SPREADER

An organosilicone surfactant/wetting agent that enhances the spreading and foliage coverage of fungicides, insecticides, and some herbicides in low volume concentrate spraying.

ACTIVE INGREDIENT: Contains a Non-Ionic Surfactant and a Siloxane Polyalkyleneoxide Copolymer blend

NET CONTENTS: 20 litres

Grosafe[®]

HSNO HAZARD CLASSIFICATION: 6.1E, 6.3B, 6.4A, 6.5B, 6.8A, 6.9A, 9.1D

WARNING: May cause sensitisation from prolonged skin contact. Repeated oral exposure at high doses may cause reproductive/ development damage and damage to the thyroid, liver, kidneys and blood forming system. May cause eye irritation and be harmful if inhaled or swallowed.

PERSONAL PROTECTION: When mixing or loading wear overalls, impervious gloves and eye/ face protection. Wash hands and exposed skin after work.

STORAGE: Store in original container tightly closed and in a locked, dry, cool, well ventilated area, away from foodstuffs. When stored appropriately this product should show no significant degradation for 2 years from the date of manufacture. Contact the proprietor for further information about the use of this product if it is older than this.

SPILLS AND DISPOSAL: When dealing with spills wear personal protective clothing and equipment as described in the PERSONAL PROTECTION section. Contain and absorb with suitable inert absorbent material and store in properly labelled, sealed drums for safe disposal. If spray mixture is spilled absorb and collect in drums as above. Deal with all spillages immediately. If contamination of drains, streams, watercourses, etc. is unavoidable, warn the local water authority.

PRODUCT DISPOSAL: If possible dispose of by using according to the label, otherwise dispose of in an approved landfill or bury below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots.

CONTAINER DISPOSAL: Triple rinse container and add residue to mixture. If circumstances, especially wind direction, permit the empty containers may be burned. Recycle empty containers through AgRecovery (0800 247 326). Otherwise bury in a suitable land fill.

ENVIRONMENT: Toxic to aquatic organisms; avoid contamination of any water supply with product or empty container.

SAFETY DATA SHEET: A safety data sheet is available from Grosafe Chemicals Ltd.

EMERGENCY RESPONSE 0800 CHEMICAL: 0800 243 622

FIRST AID: If swallowed, give a glass or two of water but DO NOT induce vomiting. If in eyes, immediately flush with plenty of water for at least 15 minutes. If irritation persists, get medical attention. If on skin, remove contaminated clothing immediately. Wash skin immediately with plenty of soap and water. In case of inhalation of spray remove to fresh air. Get medical attention if patient is in distress. For advice call a doctor or the National Poisons Centre (0800 764 766).

GENERAL APPLICATION

SITUATION	CROP	RATE	CRITICAL COMMENT
Use only with Fungicides, Insecticides, Plant Growth Regulators, Foliar Nutrients	Vines Foliage Bunches	150-350ml/ha 400-600ml/ha	NOTE: Aquaspread is applied at a /ha rate not a /100L water rate. Adjust rates of Aquaspread and/or water volumes to achieve thorough coverage.
	Vegetables/Brassicas Hard to wet (eg.Onion) Easy to wet (eg.Potatoes)	100-400ml/ha 150-350ml/ha	
Use only with Fungicides, Insecticides, Plant Growth Regulators, Foliar Nutrients	All horticultural tree crops including but not limited to: Apples, Avocados, Citrus, Olives	200-400ml/ha	Please refer to compatibility section for information on how Aquaspread will behave in different scenarios. Spray Volume: Apply in spray volumes of 20-30% of the dilute spray volume Vegetables: DO NOT use in water volumes greater than 250L/ha

KIWIFRUIT

CROP GROWTH / AQUASPREAD Application Rates	MAXIMUM WATER Rates (L/ha)
During dormancy - 500ml Aquaspread per hectare	700 (500 for best practice)
From green tip through early Spring - 400ml Aquaspread per hectare	700 (500 for best practice)
Before flowering & full flower - 400ml Aquaspread per hectare	1000 (700 for best practice)
After crop picking to leaf fall - 500ml Aquaspread per hectare	1000 (700 for best practice)
After leaf fall scar protection - 750ml Aquaspread per hectare	700 (500 for best practice)

It is not recommended to use air induction nozzles for pest & disease control

KIWIFRUIT RECOMMENDATIONS:

- Recommendations indicated in chart are based on 2x concentrate spraying.
- In the case of projected wet weather within 5 days of application, substitute **Aquaspread** with **Hybrid SB** at recommended rates. Not necessary for rainfast copper sprays on kiwifruit.
- Use of higher water rates, or **Aquaspread** rates higher than prescribed, can lead to wastage and excessive runoff.
- **APPLE RECOMMENDATIONS - (2 Spray Programme) for Mealy bug control**
- Green Tip - use 1000 litres water with 2% oil with 500 ml **Aquaspread**/ha
- Pink - use 1000 litres water with Buprofezin plus **Aquaspread** at 250 ml/ha.

GENERAL RECOMMENDATIONS:

- A pH between 5-9 is the optimal spreading/wetting of **Aquaspread**. To avoid breakdown of **Aquaspread**, spray mixtures above or below this should be adjusted.
- To aid in leaf penetration and provide a pH buffer **Aquaspread** can be used with **Hybrid SB**.
- Contact your local Grosafe representative for latest information on product mixing, as not all agrichemicals behave in the same way when mixed with **Aquaspread**.
- **Aquaspread** has shown no adverse effects on crop safety, however not all crops and spray mixtures have been tested. Phytotoxicity prone products may be aggravated by **Aquaspread**. A small area is recommended before applying to large areas.
- Expectation of rain or irrigation within 5 days of application, use **Hybrid SB** instead of **Aquaspread** at the indicated label rates.
- DO NOT use on any ornamental crop including those grown for cut flowers, foliage and nursery plants.

GENERAL INFORMATION:

Aquaspread is a non-ionic organosilicone surfactant/wetting agent designed to enhance the spreading and foliage coverage of fungicides, insecticides, some contact herbicides and foliar nutrition products. **Aquaspread** lowers the surface tension of spray solutions. Using the recommended rate will prevent stomatal infiltration which has the potential to cause plant damage through unwanted uptake of chemicals, solvents and excessive spray water. **Aquaspread** used as recommended will result in improved, uniform coverage, higher retention of agrichemicals, and reduce drift by up to 25%. **Aquaspread** is suited to low volume spraying where coverage is a critical factor. **Aquaspread** is partially resistant to light rain, if heavier rain or overhead irrigation is likely to occur within 5 days of application, substitute **Aquaspread** with **Hybrid SB** where enhanced rainfast properties are required.

MIXING:

1. Half fill spray tank with water and begin agitating.
2. Add an antifoaming agent if foaming is expected before adding any agrichemicals.
3. Add agrichemicals according to label instructions, whilst maintaining agitation.
4. After all other agrichemicals have been thoroughly mixed. Shake the **Aquaspread** container rigourously and add required amount.

APPLICATION: Rates of **Aquaspread** and/or water volumes should be adjusted to achieve thorough coverage. Spray volumes should be applied in 20-30% of normal water rates. Optimum spreading and wetting from **Aquaspread** will be achieved in the range of pH 5-9. Spray mixtures outside of this range should be used immediately or adjusted using **Hybrid SB**.

COMPATIBILITY: **Aquaspread** is compatible with most fungicides, insecticides, plant growth regulators and foliar nutrients, provided they are suited to low volume applications. **Aquaspread** should not be used with products where the label prohibits the use of surfactants. DO NOT mix **Aquaspread** with spray oils as phytotoxicity may occur. Contact your local Grosafe representative for latest information on product compatibility and spray application techniques.

Approved pursuant to HSNO Act 1996, No HSR 002503. See www.epa.govt.nz for approval conditions.

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 PROPRIETOR:

Grosafe
CHEMICALS LTD

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MT MAUNGANUI
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EMAIL: info@grosafe.co.nz
www.grosafe.co.nz

Batch No:

Date of Manufacture:



Aquaspread® is the registered trademark of Grosafe Chemicals Ltd.
Hybrid SB® is the registered trademark of Napnutriscience Co., Ltd.

