

INVERT CONTAINER AND SHAKE WELL BEFORE USE

KEEP OUT OF REACH OF CHILDREN

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BioStart Terracin contains a naturally occurring strain of *Bacillus amyloliquefaciens* BS 1b. Terracin can be used to suppress *Armillaria* in kiwifruit. It works by colonizing the rhizosphere and providing a level of protection against the *Armillaria* fungi.

DIRECTIONS FOR USE. READ LABEL BEFORE USE.

Application: For best results apply to damp soil or water in. Sprayers should be calibrated before use. Do not apply onto or into waterways.

CROP AND DISEASE	TIMING	TYPE OF APPLICATION & RATE
Kiwifruit: Armillaria suppression	4 weeks pre-bud break	Orchard floor: Apply 20 L/ha Terracin, water rate 2,000L/ha, (1 L/100 L) to the orchard floor. Ensure the lower trunk gets covered with the spray. Repeat programme annually.
	4 weeks pre-bud break	Treatment of individual affected vines: Apply to the root zone of the affected vine 20 L of a 1:100 diluted solution of Terracin (1 L/100 L). Treat all adjacent vines at the same rate. Ensure the lower trunk gets covered with the spray. Repeat programme annually.

Include a BioStart Mycorrin programme to enhance soil health. 3-4 weeks after application for *Armillaria* suppression, apply BioStart Mycorrin at 10L/ha in 1000L water, then again in late November/early December.

Mixing instructions: INVERT CONTAINER AND SHAKE WELL. This product contains living microbes. Prior to use thoroughly clean the spray tank to remove any contaminating microbes and chemical residues that could be toxic to the Bs1b microbe. Partially fill the spray tank with clean water and start agitation. Maintain a spray solution pH between 5.0 and 7.5 or efficacy may be affected. Don't use chlorinated water. Add the required amount of Terracin to the tank. Complete filling. Use a slow agitation rate to mix. Apply diluted product within 8 hours of mixing. Apply under low UV conditions.

Handling precautions: When mixing or applying, avoid contact with skin and eyes. Wear protective clothing, gloves and goggles. Flush applicator thoroughly with water after use. Do not eat or drink while using. Wash hands and face before meals and after work. Wash protective clothing after use.

Withholding period: Not required when used as directed

Compatibility: Apply Terracin on its own. Do not mix Terracin with BioStart Mycorrin or BioStart Digester.



Terracin™

SOIL BIOFUNGICIDE

For the suppression of *Armillaria* in kiwifruit

Active: *Bacillus Amyloliquefaciens* BS 1b not less than 1 x 10⁹cfu/L in the form of a suspension concentrate

Registered pursuant to the ACVM act 1997 No. P9935
See www.foodsafety.govt.nz for registration conditions
Approved pursuant to HSN0 Act 1996, Approval Code: HSR100362
See www.epa.govt.nz for approval conditions.



Store out of direct sunlight
and below 25 °C

net contents **20 L**

Made in New Zealand

DIRECTIONS FOR USE. READ LABEL BEFORE USE.

Storage instruction: Store below 25 °C. Store out of direct sunlight. **Keep out of reach of children. Keep container tightly closed. Do not store diluted product.**

Container disposal: Triple rinse container and return to an approved AgRecovery Recycling Centre.

First Aid: If medical advice is needed have the product container or label on hand. If skin contact occurs, remove contaminated clothing and flush skin with running water, if irritation occurs seek 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 seek medical advice.

Spills: When dealing with spills wear personal protective clothing and equipment. Contain the spill by damming, recover spilt product then transfer the recovered spilt material to a properly labelled drum. Deal with all spillages immediately to avoid product being released to the environment.

It is an offence to use this product on animals.

HSNO Classifications: 6.4A, 6.9B, 9.1D

Warning: Terracin is mildly irritating to the skin and irritating to the eye. When handling Terracin wear protective clothing, glasses and gloves and avoid contact with skin and eyes. Terracin is a soil biocide and is toxic to the aquatic environment, so avoid product release to the environment. Dispose of used container carefully.



For more information call: **New Zealand: 0800 116 229, Australia: 1800 359 559**



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