



RELEASE & CATCH TECHNOLOGY

Instructions for use of CataPult[®] SuperFine Inoculum

Recommended application rates

- Tree crops, vines, cereals, cotton, and field crops, legumes, pastures, sugarcane: **20 g/ha.**
- Short cycle, high value horticulture crops (tomato, vegetables, flowers): **40 g/ha.**

Do not use on blueberries, canola, macadamia, and pine and pecan nut trees as VAM do not colonise them.

Recommended application methods

Any method that delivers the inoculum into the roots or seed bed is suitable. Suspend the SuperFine powder in a smaller volume of water (eg 1L per 20g powder) by stirring strongly then add to the tank mix for application and **agitate to keep in suspension.**

If tank mixing CataPult[®] Superfine with fertilisers and agrochemicals (see Compatibility, below) add the CataPult[®] Superfine in **last** after the bulk of the water has been added to the mix. This avoids the inoculum sitting in concentrated solutions of agrochemicals.

- Apply via fertigation in drip, micro-sprinklers, trickle tape, centre pivot or via run-on irrigation.
- Apply by liquid Injection at planting or knife into the root zone after emergence.
- Apply by boom spray and water into the soil if overhead irrigation is available. Use coarse nozzles.
- Apply with seeds.
- For tree and vine crops, bananas etc with no fertigation capacity use the 20 g/ha rate suspended in a volume of water that allows a delivery of a set volume of water to each plant/ ha. For example for 1000 trees per ha suspend 20 g CataPult[®] Superfine in 1000 L water and apply 1 L/tree.
- For new plantings of tree and vine crops, and bananas use the same approach and apply CataPult[®] SuperFine into the planting hole. Seedlings can be pre-treated a week or two before planting out by scaling down the water volume to prevent CataPult[®] SuperFine solution running out of the seedling trays or pots. Use the correct 20 g/ha dose and seedlings will establish faster and stronger after transplant.
- For legumes mix into Rhizobium inoculum and apply to seed.

Application timing

- Apply at planting or soon after for annual crops.
- Apply at planting for new tree and vine crops and then annually.
- Apply in spring or during the growing season for established tree and vine crops and apply again after harvest (optional, for high value crops).
- Apply to soils that have been under flood water for a period to replace soil microflora that don't survive waterlogging.
- Apply to crops after waterlogging to drive recovery of root function.
- For high intensity pastures and forage crops apply in spring and autumn. For low intensity pastures apply annually at the start of the growth cycle or any time rain can assist in getting the inoculum into the root zone.
- Apply to any crops following a canola (or any Brassica) crop to replace VAM that are heavily depleted by Brassica crops.

Compatibility

CataPult[®] SuperFine is compatible with fertiliser products and other biological products. CataPult[®] SuperFine is compatible with many fungicides, herbicides and insecticide but is also incompatible with others. A list of compatible and incompatible products is available on www.vanadisbioscience.com or contact info@vanadisbioscience.com for advice.

Active Contents

Vesicular Arbuscular Mycorrhizae (VAM), plus *Bacillus* species, in powder formulation.

Storage

Store in a cool dry place. Do not store in direct sunlight.

Safety

Avoid inhalation of dust from product. Use an appropriate dust mask to prevent excessive inhalation of dust from the product. Avoid contact of dust from product to skin and eyes. Do not consume product. Keep out of reach of children.

CataPult[®] SuperFine Inoculum distributed by Mapleton Agri Biotec Pty Ltd
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