

CataPult SuperFine inoculum for sugarcane



CataPult Superfine is an inoculum that combines a high-grade VAM (vesicular arbuscular mycorrhizae) with two compatible species of *Bacillus* microbes.

- Allows high yields with reduced rates of phosphate fertiliser
- Access bound P in phosphate binding soils
- Capture P, N, Zn and other nutrients more efficiently
- Increase early root growth and nutrient capturing secondary root development
- Increase efficiency of water capture and increase tolerance of dry spells
- Increase healthy soil microflora and build better soil structure
- Replace depleted soil microflora after prolonged water-logging of soil

CataPult technology is part of Mapleton Agri Biotec's biological nutrition package. NitroGuard addresses nitrogen and CataPult addresses P and water use efficiency. Our goal is to increase sugarcane yield, profitability and sustainability.

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How to use CataPult

Application to the crop

- CataPult can be applied at planting, after harvest to ratoon cane, or at any time through the growth cycle
- CataPult is applied annually
- CataPult is applied to the cane roots
- CataPult can be applied into dry soil as the VAM and Bacillus are in spore form. The spores are very hardy but they must be placed near the roots to colonise, multiply and function.
- CataPult is applied via:
 - Liquid inject at, or after planting. Using a Confidor rig or stool splitter with a liquid injection line is an easy way to apply CataPult.
 - Boom spray onto soil using enough water to wash in the inoculum. If a trash layer is present the inoculum must be applied in such a way as to penetrate to the roots.
- By centre pivot or other similar system using plenty of water

Compatibility/co-application

- CataPult can be tank-mixed with NitroGuard
- CataPult can be tank-mixed mixed with some fungicides, insecticides or concentrated fertiliser solutions. **Contact Mapleton Agri Biotec to enquire about compatibility questions. A compatibility table is on the MAB website.**

CataPult-assisted fertiliser reductions

- Reduce P by up to 25% or just apply over the top of normal P rates if P nutrition is a problem in your crop
- Reduce N by 10 – 25% if combined with NitroGuard. If sugar prices are high just reduce P and target maximising yield.

Use CataPult™ to reduce overall fertiliser requirements, increase yield and assist crop resilience in difficult seasons