

Mycorrcin

Technical Sheet

Improve new avocado planting growth



How it Works

Biostart Mycorrcin is a soil biostimulant that activates naturally occurring beneficial microbes present in soils.

Activating microbes in the soil stimulates new root growth and branching, which leads to better plant establishment. This improves the nutrient availability and uptake by the plant, including calcium and phosphate, and gives the plant greater overall resilience.

Mycorrcin has been found to improve fruit flavour, reduce rejects and improve fruit size and uniformity across a range of crops.

Trial Design

This trial measures the impact of regular Mycorrcin applications on the establishment of a new avocado orchard.

An avocado orchard was established in Maungatapere, Northland in November 2018. Hass on Zutano rootstock trees were planted on 2 November 2018 in an 8 x 8m staggered layout. Mycorrcin was diluted 1:150 (750 mL/100 L) and applied at 2 L/tree on 7 November 2018, with similar applications being made in autumn and the following spring to coincide with the root growth flushes in avocado trees.



Results

Ten untreated and Mycorrcin-treated trees were assessed for height and trunk cross-sectional (TCA) area over the following 12 months. Mycorrcin treatment increased the TCA by 15 and 25% at 4 and 11 months after planting. Although tree height was recorded, the impact of pruning and a cow grazing attack affected the results, making them less informative.

Conclusion

Regular applications of Mycorrcin reduced transplantation shock, improved the uniformity of young trees, and increased TCA. The Mycorrcin-treated trees have a better shape and are better set up to fruit in the coming years.

