

Cherries | Technical Sheet

Mycorrcin and Foliacin programme for cherries



Cherry programme

Mycorrcin is a soil biostimulant that activates naturally occurring beneficial microbes in soil to improve plant health, resilience and root development.

Foliacin is a foliar biostimulant that activates beneficial microbes living on the leaf surfaces (biofilm) which enhances the plant's resilience, growth and green leaf retention, which enables greater levels of photosynthesis.

Cherry Programme Benefits

- Plant leaf health, growth and retention
- Improved flowering and fruit set
- Better fruit skin integrity (reducing splitting/cracking)
- Recovery from environmental and chemical spray stress
- Increased yield
- Improved fruit quality
- Faster orchard establishment in new plantings
- Better fruit quality and flavour
- Higher nutrient uptake.

Direction for use

- Foliacin is applied to plant foliage and can be co-applied with most crop protection and nutritional spray applications
- Mycorrcin is sprayed directly on to moist soil and can be tank mixed with herbicides, fungicides, fertigation nutrients and suspension fertiliser
- Mycorrcin can be applied through fertigation systems and overhead irrigation systems fitted with an appropriate system
- For low organic matter and/or low fertility soils apply Mycorrcin in regular smaller amounts through a fertigation or irrigation system
- Apply biostimulants early morning, early evening or in overcast conditions
- For specific crop recommendations contact your local Biostart representative.

Product	Timing	Programme
Foliacin	Early growth/first cover spray up to flowering	Apply 1 L/ha in a minimum of 500 L of water. Then 1 L/ha every 10–14 days with crop protection sprays and/or nutritional sprays until harvest. Target 4–5 applications between flowering and harvest.
Foliacin	After periods of disease, chemical and/or environmental stress e.g. wind, extreme wet and cold, drought, hot or dry	Apply 2 L/ha and follow up with every 10–14 days with 1 L/ha crop protection sprays and/or nutritional sprays until harvest. Target 4–5 applications between flowering and harvest.
Mycorrcin	Bud break	Apply 6 L/ha at bud break.

Note: The rates above are based on conventional plant spacings. Biostart recommends a minimum dilution rate of 0.5 L of Foliacin in 500 L of water (100 mL/100 L water).

Orchard Results

Reduced Splitting/Cracking

Moondoona Orchard, Victoria, Australia reduced splitting/cracking in their cherries by 55% from 52% of fruit in untreated trees compared to 23% for Foliacin-treated trees. This meant that 77% of the Foliacin-treated crop was marketable compared to only 48% of the untreated crop.

Commercial cherry and stone fruit growers in Hawkes Bay and Central Otago, New Zealand, have seen great results using Biostart products. Mycorrcin is used to improve soil health, promote healthy root growth and increase nutrient uptake, and Foliacin for improving fruit set and foliar health. Several cherry growers are applying Foliacin regularly from petal fall to harvest to manage rain-induced fruit splitting. Foliacin is applied strategically near harvest, particularly in varieties and blocks that are prone to splitting. Several Central Otago cherry growers are also applying Foliacin at a high rate post-harvest to limit shoot growth.

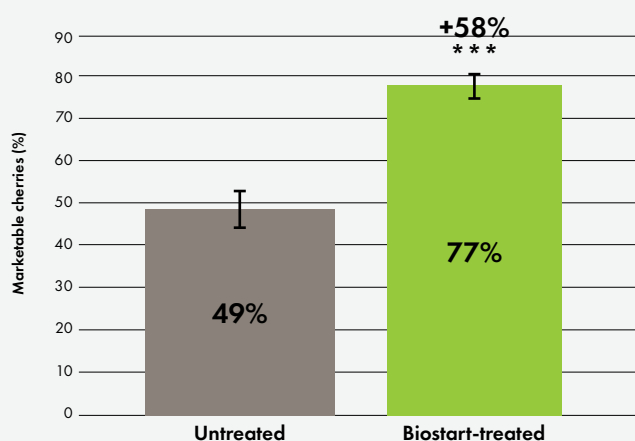


Improved Storage

A sample of the treated and untreated marketable cherries from the Australian orchard were stored at 4°C for 21 days. After 21 days storage a further 26% of the untreated cherries had cracked/split compared to only 4% of the Foliacin-treated cherries.



Figure 1. Marketable Cherries



Comparison of cherries from treated and untreated blocks at an orchard in Ardmona, Victoria, Australia:

