



BioStart N

Technical Sheet Biological nitrogen fertilizer

BioStart N is a biological fertilizer that increases soil nitrogen levels, naturally.

How does it work?

BioStart N contains the naturally occurring nitrogen fixing bacteria *Azotobacter chroococcum*, which converts nitrogen from the air to plant-available nitrogen in the soil.

When BioStart N is applied, the *Azotobacter chroococcum* become part of the soil and create an association with the plant roots, providing the plant with a long-term, steady supply of nitrogen throughout the growing season and in response to the plant's needs.

Key features of TripleX:

- Provides a steady daily supply of nitrogen to your plants
- Supports sustainable plant growth long term
- Reduces conventional nitrogen runoff
- Reduces conventional nitrogen fertiliser use.
- BioStart N is certified organic and made in New Zealand



Directions for use

- Apply BioStart N in a minimum of 200 L/ha of water.
- Use the whole bottle within 24 hours of opening as the product can become contaminated by other microbes.
- Apply in the late afternoon or under cloud cover when the incidence of UV rays is reduced.
- Apply to moist soil and preferably before a rain event, or water in with irrigation.
- Ensure treated soils have sufficient molybdenum and iron, are not water-logged, have good aeration and adequate levels of organic matter. Co-application with BioStart Mycorrcin (spring applications) or Digester (autumn applications) will help in adverse soil conditions.

For specific crop recommendations contact your local BioStart representative.

Crop	Timing	Application Rate
Maize and Cereal crops	Post harvest crop trash	Apply 100 mL/ha directly on to the soil during or after crop trash incorporation.
Maize, green feed crops & new pasture	At sowing	Apply 100 mL/ha directly on to the soil.
Established Pasture	In spring	Immediately after grazing apply 100 mL/ha .
Pipfruit, Grapes & Citrus	At green tip apply 200 mL/ha .	At green tip apply 200 mL/ha .
	Post-Harvest apply 200 mL/ha .	Post-Harvest apply 200 mL/ha .
Kiwifruit & Stonefruit	At budbreak apply 100 mL/ha .	At budbreak apply 100 mL/ha .
	Post flowering apply 200 mL/ha .	Post flowering apply 200 mL/ha .
	Post-Harvest apply 200 mL/ha .	Post-Harvest apply 200 mL/ha .

Other crops - Call NZ **0800 116 229** for specific crop recommendations

Co-application notes: For improved results co-apply BioStart N with **Mycorrcin** or **Organic Mycorrcin** at **2 L/ha** in spring, on poorly aerated or water-logged soils, and to promote root growth. To speed up decomposition of crop trash or prunings in autumn co-apply BioStart N with **Digester** or **Organic Digester** at **2 L/ha**. Once BioStart N is mixed with water, Digester or Mycorrcin, it **must be applied within one hour**.

Pack sizes available: 500 mL - each bottle contains a concentrate of approximately 100 billion nitrogen-fixing bacteria.