



Biomex Starter®

Organic Range

Use

To stimulate the growth of roots, increase plant tolerance to abiotic stress and reduce susceptibility to root attack by pathogens through colonisation of plant roots.

Crops

Protected edibles, hardy nursery stock, soft fruit and tree fruit.

Pack Size

1 litre

Function of Biomex Starter

The product works by colonising the roots of the growing plant with spores of *Bacillus amyloliquefaciens*. The colonies shield the plant roots from pathogenic fungal attack, and secrete compounds in the vicinity of the root hairs that help to increase availability and uptake of nutrients, resulting in the following effects being observed:

- 1 - Improved germination
- 2 - Improved rooting leading to increased plant vigour
- 3 - Resulting in earlier establishment
- 4 - Reduced disease intensity and frequency due to out-competing soil pathogens
- 5 - Giving improved yields

The benefits of *Bacillus amyloliquefaciens* are likely to be reduced in soils with high humus content or naturally high microbial activity because of the higher levels of *Bacillus* already present in the soil.

Toxicology

Neither phytotoxic nor phytopathogenic effects have been observed in green-house and field trials.



◆ Directions for Use

Use Biomex Starter as directed below. Apply 0.5-1 ml/L (0.5 L/ha), in 400-1000 L/ha water. Efficacy will be optimised when soil/growing media temperatures exceed 10°C.

Shake the bottle before use. Apply the spray solution within 8 hours of mixing

Crop	Timing	Rate L/ha	Rate ml/L water	Comments
Modules and Seedling Trays (All crops)	As a root dip		0.4	Dip or wet module/sp tray with solution before transplant (or follow guidelines below)
Protected Edibles	At planting, repeat after 3 months	0.5	0.4	Drench at 1 litre of diluted mix per m ² of growing medium, or
			0.2	Apply through fertigation system at the end of a watering
Hardy Nursery Stock	As a root drench		0.4	Drench at litre of diluted mix per m ² of growing medium. Repeat after 2 months
Establishment of Soft Fruit and Tree Fruit	Bare root drench Soil drench Fertigation		0.4	Dip bare roots for 5 minutes before transplant, follow with fertigation application as below
			0.4	Drench at 1 litre of diluted mix per m ² of growing medium/soil, repeat as below
			0.2	Apply during early active growth following transplant

◆ Soil Application Guidelines

Biomex Starter can be applied with liquid placement fertiliser or with O-Mix water soluble fertiliser. Dilute 0.5-1 litres of Biomex Starter in the volume of liquid fertiliser required per hectare. Maintain agitation, apply within 8 hours of mixing.

◆ Storage

The formulation is stable for more than three years at 20°C. It should be kept in fully sealed packaging during storage. Do not store and use opened packages in subsequent seasons.