

Biomex[®] Duster

Biostimulants & Quality Improvement

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

Potatoes

Pack Size

1 kg

Toxicology

Neither phytotoxic nor phytopathogenic effects have been observed in greenhouse and field trials.

Function of Biomex[®] Duster

The product works by colonising the roots of the growing plant with the beneficial bacteria *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:

- Improved germination
- Improved rooting leading to increased plant vigour
- Earlier Bulking
- Reduced disease intensity and frequency due to out-competing soil pathogens
- Improved yields



Composition

A natural product containing $\geq 1 \times 10^9$ cfu/g (colony forming units per gram) spores of *Bacillus amyloliquefaciens*, a non-pathogenic micro organism occurring naturally in the soil. The formulation of Biomex Duster is an insoluble powder containing the living spores with talc acting as the carrier.

◆ Directions for Use

Biomex Duster is suitable for potato seed dressing or mixing with soil. For best results apply as a seed coating. Efficacy will be optimised when soil temperatures exceed 10°C.

Seed Coating – apply immediately before or during the planting process by treating seed tubers in chitting trays, in bulk bins or in the planter hopper. Complete and even distribution on the tubers will maximise efficacy.

Soil Application – incorporate within the ridge to ensure placement in close proximity to the seed potato.

Crop	Timing	Rate	Comments
Potatoes - Seed Coating	Immediately before or during planting	1g/kg of seed (1kg/t)	Complete and even distribution on the tubers will maximise efficacy.
Potatoes - Soil Application	Immediately before or during planting	2.5kg/ha	Incorporate within the ridge to ensure placement in close proximity to the seed potato.

◆ Storage

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

◆ Operator Protection

A dust mask and suitable protective gloves should be worn when handling and applying Biomex Duster to seed potatoes. Wash hands and exposed skin before eating, drinking and after work.