



Agrotech

Healthy Soil, Healthy Food



GrowMax is a commercially available bio-fertilizer product developed by Agrotech through isolating *Bacillus AmyloliQUEfaciens* from healthy tomato root soil. GrowMax serves as a beneficial rhizobacterium for crops.

Function

To promote the lush and beautiful growth of the turf, reduce pests and diseases, and address issues of yellowing and baldness in the turf.

Benefits of GrowMax

- Prevent diseases by synthesising lipopeptides, polyketides, bacteriocins, and other compounds which can effectively counteract pathogenic microorganisms in the soil, inhibiting their growth and reproduction.
- Strong resistance, broad spectrum against bacteria, and inhibitory effects on various pathogens of the secondary metabolites.
- Produce derivatives such as gibberellins, indoleacetic acid, and cytokinins enhance plant disease resistance and stimulate the vitality of turf roots.
- Improve the microecological environment around turf roots, balance acidity and alkalinity, enhance soil permeability, alleviate saline-alkali obstacles, reduce pesticide residues, fertilizer damage, and pesticide harm, and overall enhance soil quality.
- Reduce the content of soil nitrite, increase the levels of vitamins and dry matter in turf, and enhance vibrant and lush green colour.

Guaranteed Analysis

Effective viable count of <i>Bacillus AmyloliQUEfaciens</i>	6.7 billion/mL
Mold and miscellaneous microorganism count	Below detection limit
Contamination rate	Below detection limit
pH	7.1
Fecal coliform count	Negative
Ascarid egg mortality rate	Ascarid egg not detected
Arsenic and its compounds	<6.8 mg/g
Cadmium and its compounds	<0.1 mg/g
Lead and its compounds	<8.8 mg/g
Chromium and its compounds	<10.6 mg/g
Mercury and its compounds	<1.6 mg/g

Precautions:

Do not mix with antibiotics, strong acidic or alkaline pesticides, or high-concentration chemical fertilizers. Avoid exposure to intense sunlight.

Expected outcome

After use, the turf is expected to not only grow vigorously but also exhibit a vibrant and lush green colour.

Typical application rates

Apply 75 - 80 liters per hectare with water. For small-scale experiments, mix the GrowMax solution with water at a 1:15 ratio, then spray the mixture for irrigation. Afterward, promptly water the sprayed area to prevent the microbes from being killed by exposure to ultraviolet rays. For large-scale application, directly use the GrowMax solution in an integrated water and fertilizer machine through the fertilizer tank.

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