

AZO PROTM TURF

Soil Microbial Inoculum

What does it do?

Azospirillum preferentially colonizes the exterior of plant roots by first adsorbing to the sites of lateral root emergence and root hairs. Once it binds, it then becomes irreversibly anchored to the root surface where it lives symbiotically with the plant.

Once *Azospirillum* colonizes the root surface, this organism is known to directly supply plant growth promoting hormones, indole-3-acetic acid (IAA) particularly, to the plant which enhances root growth and development.

More specifically, *Azospirillum* initiates growth at the root nodes to promote elongation, as well as increases in root hair formation and root hair branching. These hormonally induced improvements to the plant's root system increase its ability to access water and nutrients which leads to more vigorous growth and improved stress tolerance.

What is it?

AzoProTM Turf contains *Azospirillum brasilense* CD which is a free-living, plant growth promoting rhizobacteria (PGPR) that is site-specific in the soil.



Azospirillum is also known to fix atmospheric nitrogen (N₂) and may make it available to the plant through the bacterial enzyme activity of nitrogenase.

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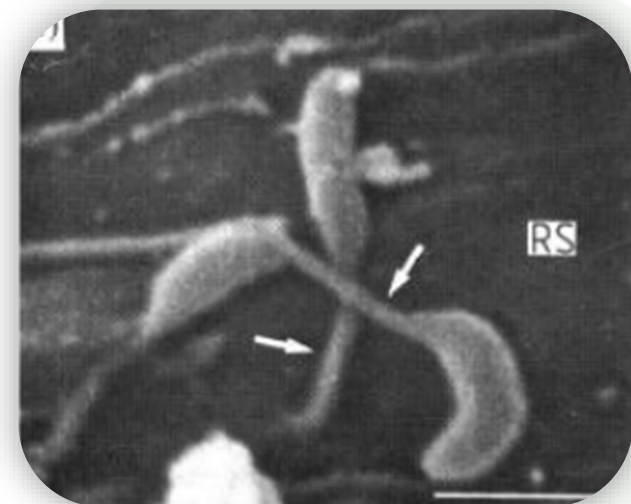
Benefits

- Naturally occurring soil bacteria
- Promotes root elongation
- Encourages the development of lateral roots, root hairs and root hair branching
- Fixes atmospheric nitrogen (N_2) and may make it available to the plant
- Increases availability of water and nutrients to plants
- Mitigates plant stress
- Convenient and shelf stable liquid formulation



Easy to use liquid formulation is sprayed on to the turf and watered in.
The *Azospirillum* does the rest!

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