

Soil Microbial Inoculum

Ingredients

<i>Azospirillum brasilense</i>	2.0 x 10 ⁵ per mL
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Azospirillum preferentially colonises 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* colonises the root surface, this organism is known to directly supply plant growth promoting hormones; indole-3-acetic acid (IAA) in particular, to the plant which enhances root growth and development.

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.

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



Benefits of AZOPRO TURF

- ✓ Naturally occurring soil bacteria.
- ✓ Promotes root elongation.
- ✓ Encourages the development of lateral roots, root hairs and root hair branching.
- ✓ Fixes atmospheric nitrogen 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.

APPLICATION RATE

25 mL per 100m² (2.5 L/ha)