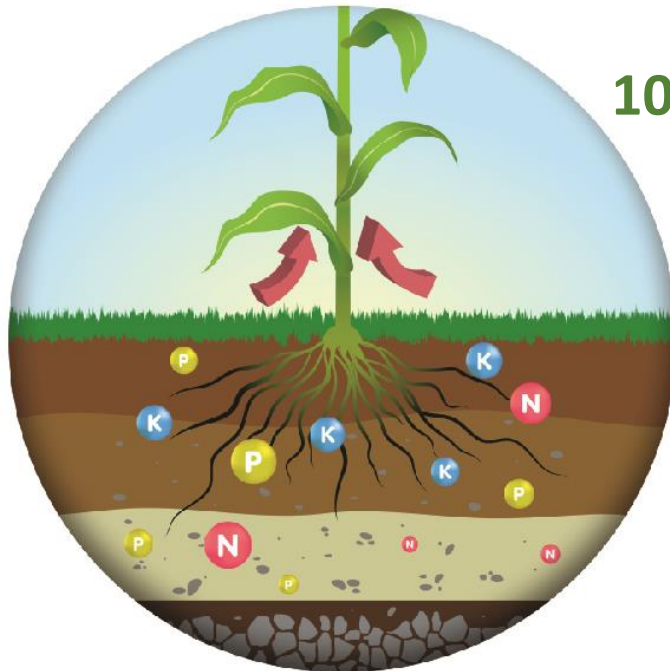


PRODUCT SHEET

SMILEYGEL SOIL



100% Bio

**NITROGEN FIXING BACTERIA, PHOSPHORUS SOLUBILIZERS AND
POTASSIUM MOBILIZERS, RADICAL MYCORRHIZAE
IN A WATER-SOLUBLE AND BIODEGRADABLE GEL BASE**

COMPOSITION:

100 ml of product contains:

Type of organic soil improver:

Bacteria Azospirillum sp.

Phosphorous Bacillus sp.

Potassium Bacillus sp.

Mycorrhizal fungi

Co-formulants

simple non-composted vegetable soil improver

1 x 10¹¹ CFU/ml

1 x 10¹¹ CFU/ml

1 x 10¹¹ CFU/ml

2g

g 100

Smileybee Ltd.

Strovolou, 77 Strovolos Centre II/204, Strovolos, 2018, Nicosia, Cyprus - P. IVA CY10414692W

Commercialized by:

Smileybee Ltd - Strovolou, 77 Strovolos Centre II/204, Strovolos, 2018, Nicosia, Cyprus



SMILEYGEL SOIL

Active ingredient:

Bacteria *Azospirillum* sp., *Bacillus* sp., Mycorrhizae

GENERAL INFORMATION

All plants need nitrogen to grow, a gas present in abundance in the atmosphere, constitutes 78%, and which represents the foundation of plant life. However, plants are not able to use nitrogen found in the air, but depend on the activity of soil microorganisms that absorb it from the atmosphere and make it bioavailable.

Smileybee isolated strains of specific symbiotic and asymmetric (free) bacteria capable of transforming atmospheric nitrogen into a readily assimilable form and enriching the microbiome by improving the bioavailability of phosphorus, potassium and calcium.

Under favourable conditions, the activity of free nitrogen-fixers can provide up to 45 kg/ha of nitrogen per year, thus reducing the use of nitrogen fertilizers.

FEATURES

SMILEYGELSOIL is a product based on specific selected microorganisms, kept vital thanks to a patented protein gel that guarantees maximum stability of the suspension and its immediate effectiveness once applied to the soil.

The product consists respectively of:

- endomycorrhizae that increase both the absorbent capacity of the root system and the bioavailability of phosphorus present in the soil;
- specific bacteria able to fix atmospheric nitrogen, solubilize phosphorus, increase the absorption of potassium and calcium and iron.

The ongoing climate changes characterized by high temperatures and long periods of drought lead to a poor efficiency of traditional fertilizers which, combined with an increase in their prices, make the application of SMILEYGELSOIL extremely advantageous and able to guarantee high productions such as quantitative even in case of reduction of fertilizer units administered with traditional fertilizers



SMILEYGEL SOIL

Active ingredient:

Bacteria Azospirillum sp., Bacillus sp., Mycorrhizae

COMPOSITION

Each ml contains: Bacteria Azospirillum sp. (Nitrogen Fixers, 1×10^{11} CFU), Bacillus sp. (Phosphorus solubilizing bacteria 1×10^{11} CFU e Potassium Mobilizers 1×10^{11} CFU), Mycorrhizal fungi (2% by weight, Radical symbiotic action) in a patented base of water-soluble protein gel synergistic to the radical activity and favoring the symbiosis..

FIELDS, DOSES AND METHODS OF USE

SEED TANNING

Dose: 100 ml of SMILEGELSOIL per 100 kg of seed.

BATH PRE-TRANSPLANT PLANTS

Dilute 250 ml of SMILEGELSOIL in 25 liters of water and immerse the seedlings for a few minutes in the solution and then proceed with the transplant. It is used during transplantation and post-transplantation according to the methods and doses indicated.

POST TRANSPLANT

In fertigation every 3-4 weeks 250 ml x ha



SMILEYGEL SOIL

Active ingredient:

Bacteria *Azospirillum* sp., *Bacillus* sp., Mycorrhizae

The product is suitable for all horticultural, fruit, floricultural and nursery crops both in the open field and in greenhouses.

- grapefruit, lemon, mandarin, orange
- apple, pear, apricot, cherry, peach, nectarine, plum
- vine, strawberry, blackberry, bramble, raspberry, blueberry, currant, gooseberry
- fig, actinidia, khaki,
- olive tree
- almond, chestnut, hazel, walnut
- carrot, onion, shallot, tomato, pepper, eggplant
- cucumber, zucchini, melon, watermelon
- cauliflower, cabbage, savoy cabbage, lettuce, escarole, endive, rocket, chicory, radicchio, garlic, pumpkin, spinach, leafy and rib chard, celery, parsley, basil, green beans, fennel, leek
- cultivated mushrooms, potato
- cotton, tobacco, floral, ornamental, forestry.
- flower crops
- Nurseries



SMILEYGEL SOIL

Active ingredient:

Bacteria Azospirillum sp., Bacillus sp., Mycorrhizae

COMPATIBILITY WITH OTHER PRODUCTS

In order to preserve its effectiveness, it is recommended to use SMILEYGELSOIL alone or in combination with organic fertilizers.

It is not recommended to use in combination with mineral fertilizers, fungicides and insecticides.

WARNINGS

Store between 5°C and 40°C

Keep out of reach of children and animals

- Use gloves during use and avoid contact with eyes and mouth
- Do not mix with other chemicals, contains microbial cells, do not swallow.

