

Microflora PRO™



Agricultural and ornamental productions

➤ Rhizobacteria

- *Bacillus subtilis* 2 x 10⁹ CFU / g
- *Bacillus amyloliquefaciens* 2 x 10⁹ CFU / g
- ✓ Improves yield
- ✓ Enhances growth
- ✓ Increases roots mass
- ✓ Augments the absorption of N, P, K, Fe, Ca et Mg nutrients
- ✓ Improves abiotic stress resistance

Registration number 2014099S , Fertilizers Act



Microflora PRO is a microbial supplement designed to enhance plant growth and yield.

Microflora PRO is composed of PGPR (Plant Growth Promoting Rhizobacteria) from the genus *Bacillus* that interact with plants, resulting in:

- Colonization of the rhizosphere of plants.
- Production of phytohormone types auxins and gibberellins directly activating the growth of plants.
- Increasing of bio-availability of some essential elements: Bacteria in Microflora PRO increase the solubilization of phosphates and also allow better absorption of N, K, Fe, Ca and Mg.
- Facilitating the development of plants in the presence of abiotic stress such as high salinity and poor soil.

Microflora PRO is recommended for the following productions: fruits, vegetables, field crops, ornamentals, greenhouses, nurseries; and for house plants and urban gardens.

NOTICE TO USER:

This product must be used strictly according to the instructions and recommendations for use. The user assumes the risk to persons and property

arising from the use of the product. Do not apply this product in a way that it comes into contact workers or other persons, either directly or through drift. Only protected, including mask and goggles must remain in the area to be treated at the time of application.

INSTRUCTIONS

SHAKE WELL before using the concentrated product.

Use immediately after dilution. Do not store for later use.

Maintain at 2 - 25°C.

Do not mix with antibiotics, peroxides, quaternary ammonium, hypochlorites or other antibacterial products.

Compatible with fertilizers in tank mix. Do not mix and do not apply the same day with other products without notice from Abnatura.

Test the effect on a small number of samples before use. Results may vary from one site to another.

ROOTS AND SOIL APPLICATION

Dosage for watering small area (drench): Mix at a ratio of 1-2: 1000 (vol: vol). Example:

Microflora PRO	Water
100-200 ml	100 L
250-500 ml	250 L

Fill the tank with roughly half the amount of water required and keep stirring. Slowly add the product. Adjust to final required volume.

Apply solution to wet the soil or the substrate. The volume used may vary depending on the type of plants and their stage of development.

Dosage per surface (large areas): Apply at a rate of 1 - 2 L of concentrate per hectare (Ha). Example:

Microflora PRO	Surface
1 - 2 L	1 Ha
400 - 800 ml	1 acre
10 - 20 ml	100 m ² ou 1000 ft ²

Start treatment with two applications 14 days apart (boost). Repeat applications at a frequency of 14-28 days. Keep the frequency of application every 14 days during periods of unfavorable conditions.

DRIPPING SYSTEMS: Pre-diluted in at least 50 liters and adjust the injector to dispense the product over the entire targeted surface to obtain 1-2L / Ha.

IN FURROW SEEDING AND PLANTING: Apply at a rate of 100-200 ml / Ha for soybean (contact manufacturer for other crops). Apply in the furrow at planting or seeding. Compatible with fertilizer in tank mix.

SEED TREATMENT: Apply at a rate of 100-200 ml / ha for soybeans (contact company for other crops). Apply to the seeds by spraying or with a seed inoculation system. Compatible with microbial inoculants.

GROWING SUBSTRATE: Microflora PRO may be applied to a growing substrate or potting soil for later use. Suggested application rate is 0.1 L per 1000kg of substrate or soil. Use a dilution using a minimum of water to evenly distribute the product using specialized equipment.

MIXING WITH FERTILIZERS: Microflora PRO is compatible mixed with liquid fertilizers (including concentrates) or applied (impregnation) on granular fertilizer. Mix or apply Microflora PRO to the fertilizer using a concentration necessary to obtain a final dosage of 1-2L / Ha when the fertilizer is applied to the plants.

SPRAY

Dosage per dilution: Mix at a ratio of 2: 1000 (vol: vol). Example:

Microflora PRO	Water
200 ml	100 L

Dosage per surface: Apply at a rate of 1-2 L per Ha. Example:

Microflora PRO	Surface
1 - 2 L	1 Ha
10 - 20 ml	100 m ² ou 1000 ft ²

Spray to wet the soil, stems and foliage. The sprayed volume may vary depending on the type of plants and its stage of development.

For ultra-low volume (ULV), including PulsFog Bio™, calculate the amount based on a standard spray volume.

Start treatment with two applications 7 days apart (boost). Repeat applications at a frequency of 14-28 days. Keep the frequency every 7-14 days during periods of unfavorable conditions.

FIRST AID

If swallowed: Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person. If on skin/clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice. If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice. If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye during 15-20 minutes. Generalities: Move the victim to a safe and uncontaminated place. Call a poison control centre or doctor for treatment advice. Take container, label or product name with you when seeking medical attention.

TOXICOLOGICAL INFORMATION: Treat the symptoms. It is not necessary to induce vomiting. Monitor the patient until the swallowed matter is no longer in his/her system.

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN. May cause sensitization. Avoid contact with eyes, skin or clothing. Avoid inhaling/breathing mist. Wear a long-sleeved shirt, long pants, shoes plus socks, water-proof gloves and NIOSH approved respirator with any N-95, R-95, P-95 or HE filter for biological products when handling, and during all clean-up and repair activities. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

Manufactured in Canada by:

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