

EM Technology™

"Create a community with mutual understanding and well-being by using safety, user-friendly, low cost, high quality, and sustainable technology"

by Dr. Teruo Higa

EM•PB

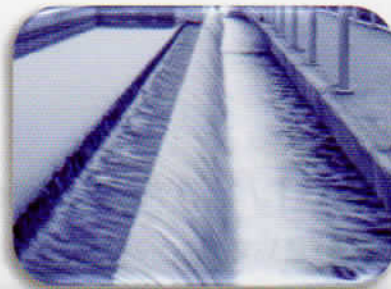
EM•PB is an EM products that consists of Phototropic bacteria. It helps plant growth and improve soil in agriculture. It also helps treating water in aquaculture and in natural environment.

What is Phototropic Bacteria?

Phototropic Bacteria is beneficial microbe living in nature, especially in water and soil. It not only produces beneficial substances from organic matters, but converts even harmful materials (e.g. hydrogen sulphide) into beneficial substances through its metabolic system. The metabolites developed by phototropic bacteria are useful for plants. They stimulate microbes' activity in the soil and are effective to create healthier conditions in the soil and water.



Agriculture



Water purification



Aquaculture

Effects of EM•PB:

- Improves microbial balance in the soil and the soil condition
- Accelerates decomposition of organic materials and persistent materials
- Effective to make quality compost
- Increases flowering and sugar content of fruits
- Improves water quality in the pond
- Reduces sludge in the pond and controls disease in the aquaculture



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How to use EM·PB

Agriculture

EM·PB helps to increase the number of phototropic bacteria in the soil, improves the soil condition, enhances healthy plant growth, assists flowering and increases the sugar content of fruits.

Irrigation or watering

Dilute 1 litre of EM·PB with 500 litre of water and use as irrigation water for soil improvement. Apply EM·PB once every two weeks.

Foliar spray

Dilute 1 litre of EM·PB with 200 litre of water and foliar spray over the crops and leaves, before flowering and during fruiting. Apply EM·PB once a week.

Composting

Dilute 1 litre of EM·PB and 1 litre of EM Activated Solution with 100 litre water and spray on the organic materials and/or animal waste accordingly. Keep moisture (45 – 55%) and the temperature (less than 55 degree) in the compost during fermentation.

Water treatment and aquaculture

EM·PB helps water treatment by decomposing the organic matters and contaminants in the water. It controls aquaculture problems and reduces algae in the pond.

Water purification

Apply 1 litre of EM·PB in 1,000 litre water every two weeks in the aquaculture systems or in the pond according to the contamination. Please use additional dosage in case the water is highly contaminated.

Feed additive

Apply 1 litre of EM·PB in 10 - 20 kg of commercial feed every one or two days in the aquaculture or shrimp farming to reduce the sludge problems.



***** EM·PB and EM·1 / EM Activated Solution *****

Applying EM·PB with EM·1 or EMAS (EM Activated Solution) is more effective !!!

EM·PB	EM·1 / EM Activated Solution
Agriculture	
<ul style="list-style-type: none"> ● Enhances flowering and increases sugar content of fruits by applying during flowering and fruiting period ● Enhances composting 	<ul style="list-style-type: none"> ● Enhances plant growth ● Controls pest and soil diseases ● Uses from seeding to harvesting crops
Water Purification	
<ul style="list-style-type: none"> ● Decomposes organic matters or sludge in the water ● Improves water quality 	<ul style="list-style-type: none"> ● Keeps good environment in the soil and water ● Suppresses harmful bacteria and viruses

* EM·PB is not a fertilizer. EM Bokashi, EM Compost and EM Amino Plus can help to fertile the soil.

* No chemical or non-GMO is used in EM·PB.

* For further information about EM·PB, please contact with nearest EM distributor.

