

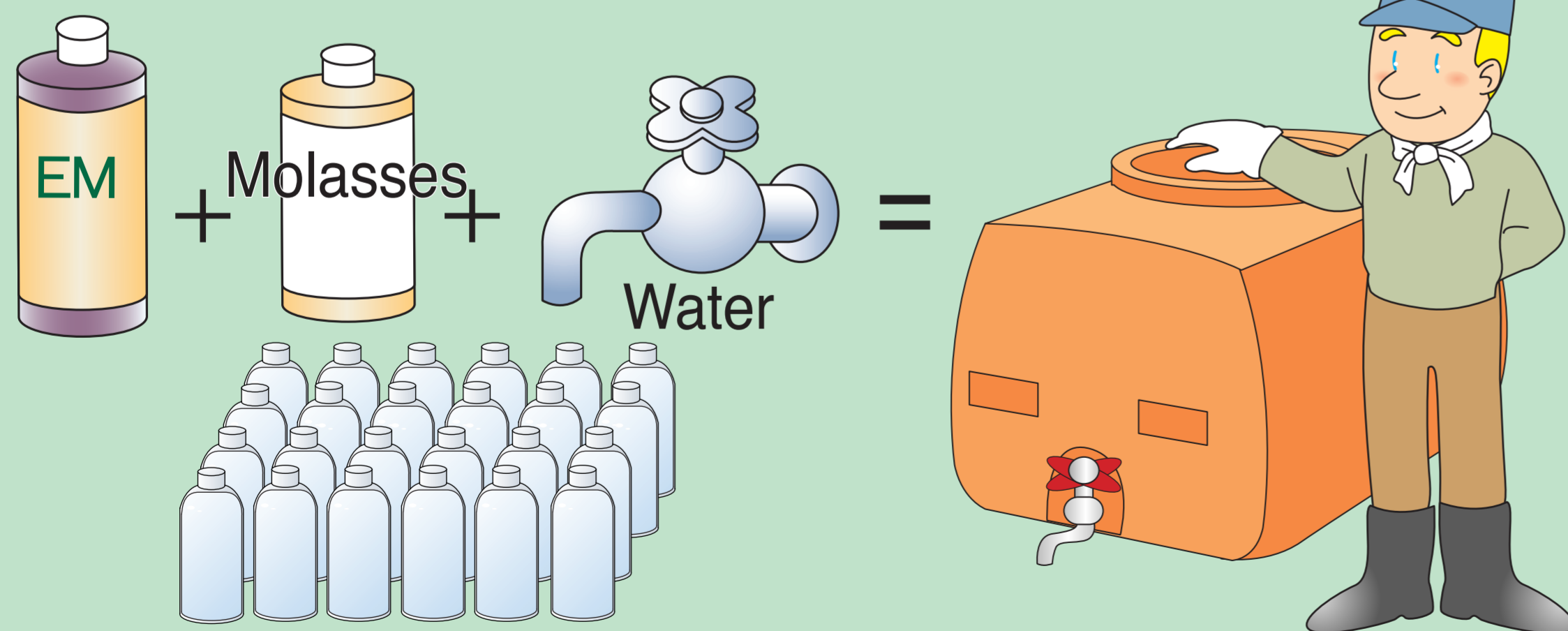
EM for Reviving the Environment

■ What is EM (Effective Microorganisms)?

EM is a complex culture solution of various beneficial microorganisms which are found in nature and used for making fermented food. It contains beneficial microorganisms of 3 main genera: photosynthetic (phototrophic) bacteria, lactic acid bacteria, and yeasts. These microorganisms secrete beneficial substances such as vitamins, organic acids, chelated minerals and antioxidants.

At first, EM was used for organic farming. But its use has now spread to applications in environmental, industrial and health fields.

■ COST



EM can be multiplied 100 ~ 2,000 times.
(EM is sold at ¥2,000/L in Japan)

■ EM Applications

- **Agriculture**
Soil conditioning. Pest control. Yield increase. Nondependence on pesticide. Production of safe crops.
- **Aquaculture**
Decrease sludge, death rate of young fish and use of antibiotics. Improve feed efficiency.
- **Animal Husbandry**
Reduce foul odors. Decrease death rate. Promote growth. Recycle manure. Improve feed efficiency.
- **Water Recycling at Factories**
Improve recycled water quality. Prevent rinse water from putrefaction.
- **Waste Water Treatment**
Reduce foul odors. Improve sludge quality for recycling. Improve water quality.
- **Rivers, Lakes and Sea**
Decrease green algae. Improve water quality and clarity. Revive ecosystems. Decrease sludge.
- **Construction**
Prevent sick-house syndromes.
- **School Education**
Suitable for environmental education through practice such as application to swimming pools, toilets, animal cages and flower gardens.
- **Welfare**
Promote community involvement. Rehabilitative effects.
- **Food Processing**
Less dependence on preservatives. Prolong freshness. Improve taste.
- **Garbage Treatment**
Reduce foul odors. Convert garbage to fertilizer.
- **Health**
Less need for medicine.