

EM•1[®]

Concentrate

EM1 Concentrate is the original and authentic “Effective Microorganisms” that was formulated by Dr. Terou Higa. EM1 is a natural, safe technology with many applications around the Garden, Farm, Vineyard and Environment.



Concentrated formula suitable for expanding | Stimulates soil biology | Enhances fertility
Improve pasture and crop yields | Grow healthy fruit and vegetables | Restores water quality
Certified Organic | Microbe Stimulant | Probiotic

The combination of microbes in EM, have a reviving action on an ecosystem and are completely safe to use. In the soil EM will function by increasing the beneficial microbes which will improve soil health and function. EM will also improve fertiliser effectiveness by reducing leaching and improving plant availability leading to increased performance in your farming system. In a waste management system EM will control odours and breakdown organic matter in the form of

sludge and inorganic deposits to revive the function of a waste system.

EM1 Concentrate is formulated for expanding by a secondary process using equal parts of EM1 and molasses and then adding 90% water. This process will expand EM1 20 times making it very cost effective for large scale applications.



PREPARATION:

To make EM (expanded EM) you will need:

- A plastic container with lid
- An aquarium heater, or the means to keep container warm 25-35 C for 7 days

We recommend a 5% dilution of EM1 Concentrate with 5% Molasses to 90% water.

Always use clean equipment and chlorine free water (if water chlorinated then stand the water for 24 hours in an open container like a bucket, cover with muslin to prevent dust or other contaminants going into the water).

Firstly put about 40% of your water in (hot or boiled water if possible), then add your molasses to your container and stir the solution to dissolve the molasses. Then add the balance of cold water, the EM can be added before you top off the container with water. Stir the EM into the solution. Next you add your heater. The requirement is 25-35 degrees C (30 degrees is ideal). Seal the top with a lid or plastic glad wrap.

After 5-7 days, the EM will be ready. Expanded EM has a shorter life than EM1 Concentrate, and needs to be used within 3 months.

Always store in sealed container at room temperature and out of sunlight.



Note: To maintain the integrity of the product always use EM1 concentrate for expanding.

COMPOSITION

Ingredients:
Contains EM (Effective Microorganisms)
Proprietary blend of GRAS registered micro-organisms.

APPLICATION RATE

Soil and Plant Treatment:

Apply from 5-20 Litres per ha diluted with water.

Garden Treatment:

Use at 1-2% with water as a foliar or soil application.

Compost Treatment:

Apply 1-3 Litres per cubic metre.

Water Treatment:

Add EM at between 1/1000 and 1/10000 of water volume.

No withholding period!

See our website for complete applications and rates.

ABOUT EMNZ

We manufacture microbial products based on EM technology. EM is a unique combination of bacteria, yeasts and fungi used to activate and balance the naturally diverse microbiology in nature. EMNZ is a company focused on developing sustainable products for New Zealand, selling products to the agriculture, viticulture, and horticulture industries. Our philosophy is to promote the use of microbial products to boost production. EMNZ work with both biological and chemical based systems to enhance rather than negatively impact the environment.

“The results have been amazing. We have seen exceptional clover growth, the worm population has increased a lot and they are very healthy. Overall our stock are so much happier and healthier.”

- Tim Hawke
Sheep Farmer, Canterbury



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