

# Healthier crops with good micro-organisms

Given that chemicals which farmers use destroy soils which farming depend, crops are also attacked by insect pests and diseases.

Plants, animals and fungi which live in soil die and make organic matter to make soil black and fertile and soft given that use of chemicals kill micro organisms in soil and soil cant hold water as before hence need for irrigation.

## Micro organisms preparation

As commercially effective micro organism destroy bad germs and decompose plants, they rebuild soils damaged by agrochemicals and they ensure faster growth of crops. Farmers stop tilling land and plant directly into vegetation cover.

Effective micro organisms can be bought for crops and vegetables and before application, a solution is prepared to activate organisms. This is followed by adding of 3 table spoons of molasses to 2 litres of warm water and mixed properly. The solution is pored into a bottle and placed in a shade. Continue by releasing gas from jag once or twice a day and in 7 days, EM is activated.

Similarly, EM is made from boiled rice, wheat or maize yoghurt, yeast and rice wash water. Put 2 handful of rice and pulses in separate clay pot and cover with paper or cloth and place pot with rice in place with constant warm temperature. Place plot with pulse under bamboo bush and cover with leaves and after 5-7 days, microbes will have grown in pots.

Mix 12 tables spoons of molasses and 12 table spoon of rice fresh water in pot, pour ingredients into larger basin and add 2l of water and then mix 2 table spoons of yoghurt, 7-8g of

yeast, add 1/2 table spoon of microbe from rice and add 1/2 table spoon of microbes from pulses, mix and add to solution.

Furthermore, keep solution in a jag and store in dark place for a week to activate good micro organisms and then open it to remove gas once or twice a day however the solution is ready after 7 days. Dilute 150ml of activated solution with 15l of water and spray on soil in the evening and compost heaps in the field and in the next morning, loosely incorporate compost in soil decomposed after 3 days and then plant crops.

Finally, dip roots of seedlings in diluted solution before planting and for crops established, spray every week for a month in the evening and then mulch the beds.