

AN ARTICLE FOR ENRICHING SOIL FERTILITY

ABSTRACT

The present disclosure relates to an article for enriching soil fertility, a method of manufacturing the same and a method of enriching soil fertility. The article comprising a container comprising a fluid-permeable membrane, a fertilizer disposed in the container and a moisture regulator disposed in the container. The moisture regulator is configured to repeatedly absorb moisture from outside the container and release the absorbed moisture into a space within the container based on a moisture gradient existing between the space within the container and outside the container, to control a release of the fertilizer from the container through the membrane. The moisture regulator is further configured to form a base in the space within the container to harbor moisture-sensitive microbes, the microbes being transferrable through the membrane based on the moisture gradient.

Figure 1