

## **“Using Fog Water Harvesting As a Source of Water For Domestic Use”**

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### **Abstract**

Fog collection is collection of water from fog using large pieces of vertical canvas to make the fog condense into droplets of water and flow down towards a trough below the fog fence. Collection of fog water is a simple and sustainable technology to obtain fresh water for afforestation, gardening and as drinking water source for humans and livestock consumption. In regions where fresh water is sparse and fog frequently occurs, it is feasible to set up a passive mesh system for fog water collection. Many areas are water challenged today including kapyego which is among one of the places in Kenya that are not lucky enough to get piped water to their houses. Women and children in this area are forced to fetch water from rivers and boreholes that are situated kilometers from their homes. This should not be the case since there is enough water in the atmosphere to reduce water issues. The fog collectors have the capability of harvesting from 400l to 1000l of water in a day. This will help in providing water for a few households during the foggy periods. It is a technique that is commercially available and applicable and can be used as a source of pure fresh water for domestic use. According to World Health Organization, a community requires about 20 gallons of water per person and per day in order for its residents and their livestock and crops to thrive. Hence the need to use this technique.