

ABTRACT

Water is the most critical factor, which determines the crop yield. So, irrigation plays the major role in increasing water use efficiency. Micro irrigation systems can do it very well with compared to the conventional major irrigation methods. Drip irrigation can achieve 90% irrigation efficiency.

To increase water use efficiency in Micro irrigation systems, proper designing is very important. By following technical instructions given by manufacturer designing can do well. But sometimes it has to be made changes according to field conditions. It should be determined according to water quality, pressure of the system, slope of the land etc.

Water quality is the very important factor a micro irrigation system. Most of existing systems have been failed due to poor water quality. High salt content and high silt suspension have created more clogging problems. This problem is serious in in-line drippers. In such a situation designing of correct filter system is important.

Many farmers do not follow a good maintenance service. As a result, duration of the system goes down and performance of the system is not effective. That problem is mainly due to the poor knowledge of farmers and their reluctance to accept new techniques.