

ABSTRACT

Water is a scarce resource for agriculture. It should be utilized in an efficient manner. Drip and sprinklers are the most efficient and reliable ways of supplying water to the plants root zone. Therefore, the main objectives of the training were to identifying of appropriate micro irrigation system for different fields and familiarized with the operation and benefits of the micro irrigated fields.

The efficiency of micro irrigation systems depend on designing, field installation and regular maintenance of the systems. So designing and installing must be carried out as it fulfills the crop requirements through available resources. At the same time, to achieve an efficient operation, frequent evaluation on the system should be made.

In this, an attempt has made to describe the installation and evaluation of micro irrigation system with designing. Many explanations are based on the practical knowledge gained throughout his in-plant training period of 6 months at CIC agribusiness centre, Palwehara. Totally this is containing four chapters with relevant annexure separately.

The first chapter contents an Introduction of CIC company, their achievements and the objective of the training. The second chapter explains about the irrigation systems, micro irrigation systems and their components. The designing and installation of micro irrigation system, field evaluation, irrigation scheduling and maintenance are described in the third chapter. In the fourth chapter it contains own conclusions and recommendations about the field evaluation.