

PRESSURIZED IRRIGATION SYSTEMS FOR IMPROVED WATER MANAGEMENT AND PRODUCTIVITY ¹

by

Rodolfo C. Undan, Ph. D. ² and Chito F. Sace ³

Abstract

This paper describes how a sustained productivity can be achieved using advanced irrigation technology amidst scarcity of water. It discusses the various pressurized irrigation systems being tested at CLSU and offers guidelines for installation, operation and management of the same. It also describes the various models established on campus and the practices in the operation and maintenance of the different installations. Experiences in the use of drip system at the CLSU-ISRAEL-DA-SCP Demonstration farm that employs time-activated automatic irrigation controller for improved water management, productivity and profitability is also presented.

Suggestions for a nationwide adoption of pressurized irrigation systems and greenhouse technology are provided.