

## **CLIMATE CHANGE EFFECTS ON CROP EVAPOTRANSPIRATION IN CONCORDIA AREA, ENTRE RÍOS ARGENTINA**

Pamela Norma Texeira Soria; Alejandro Adrián Pannunzio; Lida Borello; Pablo Enrique Ritrovatto

### **ABSTRACT**

There are scientific evidences of earth global heating. Climate has great incidence on human activities, an especially on agricultural system all around the world. The present study was developed in Concordia area, in the northeast province of Entre Rios, Argentina: The main scope was to evaluate the effect of global climate change on water crop requirements of the main irrigated crops of the area, according with two future scenarios, following predicted situations. Monthly evapotranspiration was calculated with Penman - Monteith formula, adjusted by FAO. Results indicate that crop water requirements are around 17% and 28% greater than the actual values.

**PALAVRA-CHAVE:** climate change, water requirements, evapotranspiration