

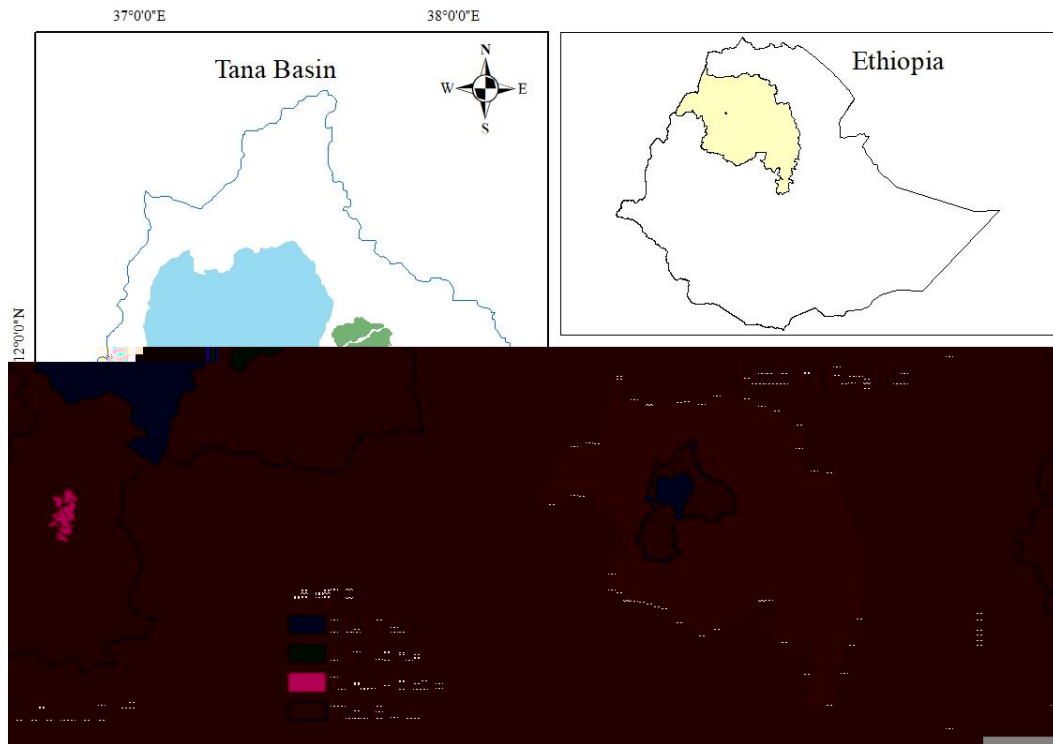
**Effect of Irrigation Regime on Yield and Water Productivity of Maize (Zea Mays) in Lake
Tana Basin, North West Ethiopia**

ABSTRACT

INTRODUCTION

MATERIALS AND METHODS

Description Of the Study Sites



Experimental Design and Setup

Basic information for experimental plots

Experimental setup

Soil physical property

Soil chemical property

Irrigation water

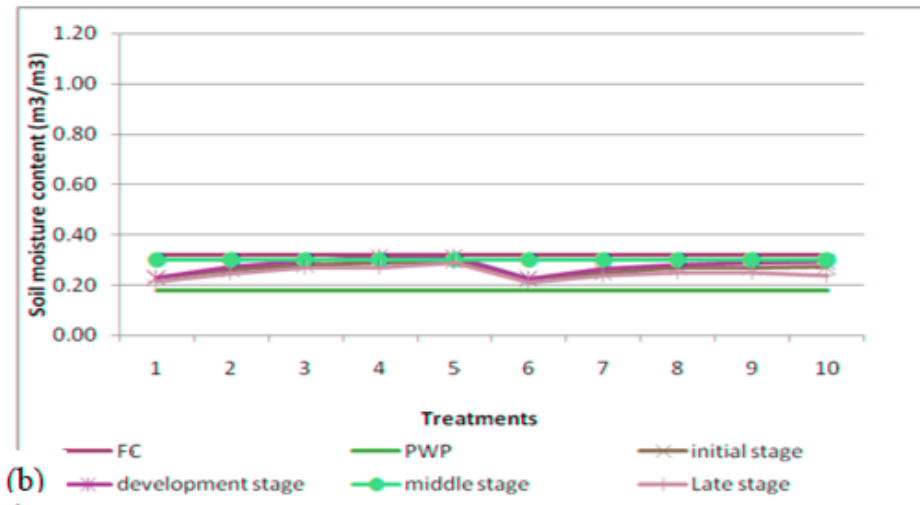
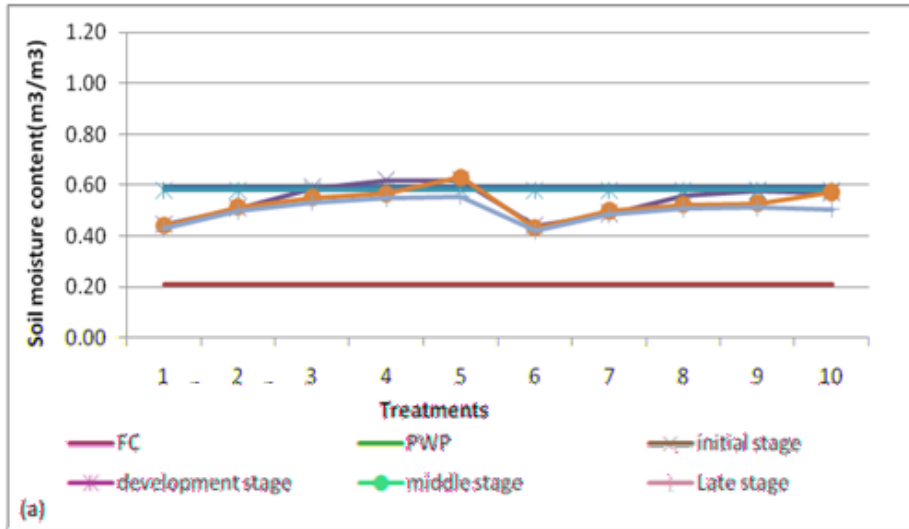
Data Analysis
Description of CROPWAT model

Crop water requirement and irrigation scheduling

Statistical analysis

RESULTS AND DISCUSSION

Dynamics of Soil Volumetric Moisture Contents



Effect of Irrigation Regime on Grain Yield, Yield Component, and Water Use Efficiency

Grain yield

Green cob number

Cob length and cob diameter

The maximum 14 cm cob length and 3.9 cm cob diameter scored at 21- day irrigation interval in

Water use efficiency

CONCLUSION

ACKNOWLEDGMENT

REFERENCES
