



SDI Review Form 1.6

Journal Name:	International Journal of Plant & Soil Science
Manuscript Number:	Ms_IJPSS_32847
Title of the Manuscript:	Microclimatic Effects and Yield Response Factors of Irrigated Maize to Different Irrigation Levels in a Semi-Arid Environment
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	<p>1- Please re write the title for example: Effect of Different deficit Irrigation Levels on Yield and water productivity of Some Maize Varieties in a Semi-Arid Environment Line 9: 2015 and 2016</p> <p>2- Please cut from line 88 :105 and moves it to section :2. MATERIAL AND METHODS</p> <p>3-table2a and b: please where statically analysis?</p> <p>4- please deal by kgm-3 (crop water use and water use.....)</p> <p>5- Line 164: How measure Leaf Area Index (LAI)? :put ref.</p>	<p>1. Effect of Deficit Irrigation Levels on Yield and Water Productivity of some Maize Varieties in a Semi-Arid Environment</p> <p>Line 9: 2015 and 2016</p> <p>2- Moved</p> <p>3- Means followed by the same letter(s) within a treatment group are not significantly different at 5% level of probability using DMRT</p> <p>Correction effected.</p> <p>The Leaf Area Index (LAI) was measured using the method adopted by Stickler et al., 1961 where one plant was taken from each plot and the length and breadth of the leaves were multiplied by a factor of 0.8 and result divided by the leaf area of each plot to obtain the LAI.</p>
Minor REVISION comments	<p>6-please put table: some properties of the soil before experiment</p> <p>7- Please, How calculated the Crop Water Use and water use efficiency?.....please, put the equations and their references</p>	<p>6. Effected</p> <p>7a. $ET_c = K_p \times E_{pan}$ Where, K_p = Pan coefficient E_{pan} = Mean daily pan evaporation (mm)</p>



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	<p>8-Please refer to irrigation: How much? Or when</p>	<p>7b. Crop WUE (kg grain/ha/mm) = $\frac{\text{grain yield (kg/ha)}}{\text{crop water supply (mm) - soil evaporation}}$</p> <p>8. An irrigation frequency of 7 – day interval was employed based on the work of Mani et al. (1996) Irrigation treatment was imposed from 2 weeks after sowing. The growth stages as defined by FAO (2000), Doorenbos and Pruitt (1976) and Anon. (1989), include the 0 – 22 days after sowing (DAS), (Vegetative), 23 – 45 DAS (Anthesis), 46 – 70 DAS (cob filling) and >70 DAS (ripening).</p>
<p><u>Optional/General</u> comments</p>	<p>Please interest by the comment</p>	