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Journal Name:	International Journal of Plant & Soil Science
Manuscript Number:	2013_IJPSS_6870
Title of the Manuscript:	Irrigation strategies for optimizing water table contribution to soil moisture storage and water use of pepper in a humid tropical zone of Nigeria
Type of the 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:

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PART 1: Review Comments

	Reviewer's comment	Author's comment (if aareed
		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	The study itself is an interesting topic, especially it tried to examine the contribution of groundwater	
comments	to the ET of a pepper crop grown in dry seasons. However, there are some concerns need to be	
	addressed before considering for publication:	
	1. English writing needs improvement.	
	2. "Water table" should be "groundwater"	
	3. For MM section, the method that is not used in this study should be deleted, such as Lines149-	
	162. Detailed information should be supplied with the root sampling and monitoring the growth	
	and final yield of the crop.	
	4. Mis-understanding and calculation of potential ET and actual ET, which undermines the	
	credibility of the results from this study. There are also mistakes in the equation development (Lines 164-188) and the definition of CWSI.	
	The FAO eugation calculate the reference ET, called ETo. Potential ET for a certain crop can	
	be calculated using the reference ET (ETo) multiplied by crop coefficient, Kc, to get the potential	
	ET of the crop (ETp). For actual ET of a crop (ETa), you must directly do the measuring, or to	
	calculate it from ETo, but the crop coefficient must be corrected with the soil mositure	
	conditions. Without water deficit, the ETp can be taken as the actual ET, but when there is water	
	deficit, actual ET is generally lower than the ETp.	
	Personally I think it might not be possible to accurately estimate the groundwater	
	contributions to ET just using the FAO euqations to calculate the actual ET just use the Kc from	
	the FAO book. If the authors want to do so, they must use equations to calculate the real Kc based	
	on the canopy size and soil moisture conditions.	
Minor REVISION		
comments		
Optional/General		
comments		

Note: Anonymous Reviewer