

SDI Review Form 1.6

Journal Name:	Journal of Experimental Agriculture International
Manuscript Number:	Ms_JEAI_50160
Title of the Manuscript:	Yield response factor to water (Ky) of FMX 993, FMT 701 and FMX 910 cotton varieties in Campo Verde, MT
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that <u>NO</u> manuscript should be rejected only on the basis of '<u>lack of Novelty'</u>, 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 agree highlight that part in the mar
<u>Compulsory</u> REVISION comments	 Some information about the cotton crop specifics (plant density, approximate onset time and time-spans of the most important vegetative phases and agro-climatic requirements) would be useful. The authors state (lines 109-113) that, in the estimation of reference evapotranspiration ETo and maximum yield Ym, they used daily meteorological data: maximum and minimum air temperature (°C), wind velocity at 2 m above the surface (m s⁻¹), radiation (cal cm⁻² day⁻¹) and mean relative humidity (%), but they do not explain how they integrated these data in their methodological construct or how they correlated them with their 	his/her feedback here)
Minor REV/ISION comments	research and findings. Therefore, they are requested to provide clear explanations for this.	
MILLON REVISION COMMENTS	expressed as a rough differential function of rainfall and evapotranspiration, greatly depends on air-temperature, it gets only logical that cotton both real and maximum yields should also be influenced by the Growing degree-days, which is a very important agro- climatic factor of growth, besides rainfall. Therefore, authors should think of a way to integrate this variable in their correlations too.	
	For further developments of their study, the authors are kindly recommended to think how to relate the crop growing parameters (real and maximum yields) with different rainfall and air-temperature thresholds, like: days when maximum air temperature are higher than 90 percentiles, maximum number of consecutive days with rainfall amounts higher than a critical value, precipitation fraction due to very wet or extremely wet days etc.).	
<u>Optional/General</u> comments	Well, luckily there appear so many little experiments in any field of knowledge making us to discover that the space-time continuum (that is the macro-cosmos) is not at all uniform and creates ever different conditions for the tiniest particles (micro-cosmos) to yield more matter or energy, nobody knows for sure yet! This is indeed a scientific and quite systematic way at looking through a magnifying glass how the whole universe conspires at making the grass grow on a specific strip of land And we keep on observing and measuring the length, the height, the weight etc. plus the time span of the grass leaves growing, on condition any extra raindrop or sunray would be added to its initial, intermediary and final vegetative stages. But, on the other hand, if it weren't for this keen human stubborn quest for objective truth, mankind wouldn't have come so close to presuming there might be a universal inter-connectivity, as a unifying theory of everything would state But, as mankind made great leaps through baby steps first, it seems reasonable enough to go on experimenting everything! In the particular case of this paperwork, the authors have investigated how water deficit due to local climate conditions can actually influence three varieties of cotton (FMX993, FMT701 and FMX910) on specific farm site conditions in Campo Verde County (Mato Grosso – Brasil), during the crop cycle of 200 days from sowing in the 2009/10 and 2010/11 growing seasons. More specifically, the present paperwork shows how the water deficit between the scarce rainfall amounts and the increased evapotranspiration rates effectively influence the real and maximum yields of cotton, one of the most important crop in Mato Grosso and Brasil, during the 200-days time-span after sowing, in conditions of a wet tropical climate. Although the study is well structured and conducted, based on very clear agro-technical specifications and associations with other similar studies, it could still become absolutely flawless if authors would also tak	

ed with reviewer, correct the manuscript and nuscript. It is mandatory that authors should write

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<u>PART 2:</u>

	Reviewer's comment	Author's comment (if agree
		highlight that part in the man
		his/her feedback here)
	(If yes, Kindly please write down the ethical issues here in details)	
Are there ethical issues in this manuscript?		

Reviewer Details:

Name:	Ionac Nicoleta
Department, University & Country	University of Bucharest, Romania

ed with reviewer, correct the manuscript and nuscript. It is mandatory that authors should write