



SDI Review Form 1.6

Journal Name:	Journal of Experimental Agriculture International
Manuscript Number:	Ms_JEAI_42241
Title of the Manuscript:	Distribution of weekly rainfall and probability analysis for crop planning In Bastar region of Chhattisgarh
Type of the Article	Original research

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	Author need to answer to the following 3.1. Rainfall variability The Author has given a statement that, the rainfall is more consistent between 22nd to 35th standard weeks as compared to 36th to 52nd and 10th to 21st standard weeks for summer ploughing, which fall under South west monsoon which is contradictory to the statement mentioned in the paragraph No. 1 under results sub head 3.1., wherein he has mentioned that, the rainfall during 10th to 22nd standard week, and 36th to 52nd standard week was more consistent with CV < 20%. 3.2. Initial probability index The author has not discussed properly under this sub head. He needs to answer the following He quoted that, in areas where the rainfall less than 400 mm, even 30 per cent probability rainfall can be taken as weekly assured rainfall for computing moisture index. The mean annual rainfall in study area mentioned under introduction was 1121.5 mm. Under high rainfall what could be the level of probability of weekly rainfall can be considered for weekly assured rainfall for computing moisture index. 3.3. Conditional probability index Conclusion The author has given a general stamen that, moisture requirement of crops could be met from 26th to 38th standard week as these weeks has the probability of 50 per cent for getting 20 mm of weekly rainfall. He needs to specify as per the conditional probability index because the data in the Table1 did not reflected.	1. Rainfall variability The rainfall is more consistent between 22nd to 35th standard weeks as compared to 27th, 30th, 31st, 32nd and 35th weeks for summer ploughing, which fall under South west monsoon which is not contradictory to the statement mentioned in the paragraph No. 1 under results sub head 3.1., wherein he has mentioned that, the rainfall with CV < 20%. 2. Initial probability index Now discussed properly under this sub head. The mean annual rainfall in study area mentioned under introduction was 1121.5 mm. Under high rainfall what could be the level of probability of 25, 50 75% rainfall can be considered for weekly assured rainfall for computing moisture index due to rainfed low water requiring crops and farming situation based cropping. 3.3. Conditional probability index Conclusion Moisture requirement of crops could be met from standard week for the probability of 50 per cent to get 20 mm of weekly rainfall has been specified as per the conditional probability index because the data in the Table 1.
Minor REVISION comments	In the introduction part the objective of the study not reflected clearly. So author need to be improving the introduction and at the end of the introduction objective of study should be reflected clearly. The geographical location of the study area needs to be mentioned under Materials and methodology. No need to mention under introduction part. Basther district borders – Not sharing any boarded with AP - please rectify	Objective of the study has clarified and improved at the end of the introduction objective. The geographical location of the study area has mentioned under Materials and methodology. Bastar region touched Telanga, AP & Maharashtra
Optional/General comments	Author is advised to include actual weekly normal rainfall in Table 1. Along with probability of 75%, 50% and 25%.	It has been included actual weekly normal rainfall in Table 1. Along with probability of 75%, 50% and 25%.