

Review Form 1.6

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_91703
Title of the Manuscript:	Evaluation of the agrometeorological indices impact on Cowpea crop at Khurdha District of Odisha
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:

(<https://www.journalijecc.com/index.php/IJECC/editorial-policy>)

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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>The author could review the English language of the text, as some passages are a little confusing, such as:</p> <p>“The rainfall receives mainly through south-west monsoon, which is started from end of June to lasts till October. The weather remains little dry from November to June. Summer season is hot humid and sometimes feel mercury crosses 45.5^oC in...”.</p> <p>“Phenothermal index the ratio of degree days to the number of days between two phonological stages was calculated was determined...”.</p> <p>“These results were due to the availability of longer growth period and temperature variability for both the crop growing season. The favourable photoperiodic conditions in 2nd season sown crop that high degree days induced at crop reproductive phases and maturity duration (Table 1).”</p> <p>“Rabi cowpea the accumulated HTU at 2nd growing season highest accumulated (38254^oC day) whereas, 1st growing season crop less accumulated (37019^oC day) and mean accumulated HTU was...”.</p> <p>“Rabi cowpea showed the 2nd growing season crop accumulated highest APTU (62893^oC day) whereas, 1st growing season crop less accumulated...”.</p> <p>“Similar in rabi cowpea the phenothermal index (PTI) showed significant variation under two growing seasons where, 2nd growing season crop Index was highest PTI (101) whereas, 1st growing season crop was obtained less PTI (92) index. And the mean PTI was calculated 97 Index of both crops growing season.”</p> <p>“It means that the early sown crop used heat, more deficiency as compare to late sown crop.”</p>	
Minor REVISION comments	<p>Describe the meaning of the acronyms when they first appear in the text. For example: ICAR-IIWM, GDD, PTU, HTU, SSH...</p> <p>In Introduction:</p> <p>“Weather variability and climate change greatly influence the agricultural productivity at all hemisphere...” hemispheres?/ across the hemisphere?</p> <p>“Growth and yield performance varied (varies?) with different...”</p> <p>In Materials and methods:</p> <p>“...District of Odisha state, Which lies...”</p> <p>“...Rainfall and RH (%) are (were?) recorded daily during growing season 2018-19 and 2019-20.”</p> <p>Place the references to the equations presented.</p> <p>In Results and Discussion:</p> <p>Put the unit of measurements in Table 1.</p> <p>Describe what the numbers 30, 45 and 60 are in Table 2.</p> <p>“In cowpea verb? significant variation under two growing seasons depicted in Table 2. Whereas, highest mean RUE verb? in 2nd growing season (0.28 g/MJ) and lowest at 1st growing season (0.25 g/m²/^oC day). During 2nd growing seasons of rice?...”</p>	
Optional/General comments		

PART 2:

	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)
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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