

Review Form 1.7

Journal Name:	International Journal of Plant & Soil Science
Manuscript Number:	Original Manuscript_IJPSS_117772
Title of the Manuscript:	Optimizing Rice Yields: A Mahbubnagar Perspective
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.journalijpss.com/index.php/IJPSS/editorial-policy>)

Review Form 1.7

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)
<p>Compulsory REVISION comments</p> <ol style="list-style-type: none"> Is the manuscript important for scientific community? (Please write few sentences on this manuscript) Is the title of the article suitable? (If not please suggest an alternative title) Is the abstract of the article comprehensive? Are subsections and structure of the manuscript appropriate? Do you think the manuscript is scientifically correct? Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>1 The author seems to have collected farmer average yields and research data yields for rice over 30 years in a region of SE India. He has then used the APSIM simulation tool to predict potential rice yields. The farmer yields are just over half that obtained under research conditions but are only 40% of the potential predicted by APSIM.</p> <p>The paper is a simple report that the level of farm production is only 40% of what might be achieved.</p> <p>The paper concludes that intervention is required to upskill farmers to achieve more of the potential. It however does not identify any particular causes of the discrepancy</p> <p>I wonder whether under reporting is a major cause of the discrepancy, and why research farm yields are so much lower than the predicted potential yield.</p> <p>2 The paper does not address how to increase farmer rice yields. 'Apparent failure of rice farmers to reach potential yields; A Mahbubnagar Perspective</p> <p>3. Abstract should include that farm yields are about 40% of the expected potential yield.</p> <p>4 OK</p> <p>5 Yes</p> <p>6 Yes</p>	
<p>Minor REVISION comments</p> <ol style="list-style-type: none"> Is language/English quality of the article suitable for scholarly communications? 	<p>The English is good and the paper easy to read, obtained results → results</p> <p>Spelling: modelling x2</p> <p>genetic coefficients. The length</p> <p>APSIM models mostly rely on rainfall rather than the other weather parameters like</p> <p>This shows that the different cultivars have different production potentials; cultivars 2 & 4 have more potential yield than the others, cultivar 5 has the lowest potential yield among them.</p>	
<p>Optional/General comments</p>	<p>Tables 5 and 6 are similar and should be combined. They each have 4 columns and 30 rows. The first column identifies the year (1993 to 2022). The second column is a constant (either Yd = 6577, or Yp=9208). The third column has the same name (Ya) in both tables but different values! Column 4 is Col 2 – Col 3. So, 60 Ya values, Yd and Yp is the only real data in the table.</p>	

Review Form 1.7

PART 2:

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

Reviewer Details:

Name:	Arthur R Gilmour
Department, University & Country	Australia