



SDI FINAL EVALUATION FORM 1.1

PART 1:

Journal Name:	International Journal of Plant & Soil Science
Manuscript Number:	2014_IJPSS_13371
Title of the Manuscript:	Agronomic Performance of Local and High Yielding Varieties of Boro Rice Under Different Age of Seedlings

PART 2:

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments																																						
The previous comment content is still maintained. The fact of statements in the revised manuscript [line 68- line73] is substantiated by analysing the authors' data reported in Table7 and Table 11. The maximised age of seedlings determined on the basis of yield as well as on the basis of varieties are as under: Table Age of seedling that gives maximum production (refer authors' Table 7) <table><tr><th>Age of seedlings, days</th><th>Yield, tonne/ha</th><th>Straw ,tonnes/ha</th><th>Biological yield,tonnes/ha</th><th>Harvest index, %</th></tr><tr><td></td><td>34.3</td><td>31</td><td>33</td><td>26</td></tr></table> Table Age of seedlings that produce maximum yield factors as optimised using authors data in Table 11 ie in respect of varieties. <table><tr><th>Variety, V</th><th>Yield</th><th>Net return US\$</th><th>BCR</th></tr><tr><td></td><td colspan="3">Maximised predicted values of age of seedling for transplanting, days</td></tr><tr><td>V1 BRRI dhan 28</td><td>23</td><td>24</td><td>24</td></tr><tr><td>V2 BRRI dhan 29</td><td>37</td><td>60</td><td>48</td></tr><tr><td>V3 Khoiya boro</td><td>25</td><td>29</td><td>26</td></tr><tr><td>V4 Begunbichi</td><td>31</td><td>31</td><td>31</td></tr><tr><td></td><td></td><td></td><td></td></tr></table> These ages of seedlings are little lower than actual as there were only three data sets in the study ($R^2 = 1$ in all cases), which was pointed out as a discrepancy in the scientific study. Had there been five data sets the age of seedlings should have been longer. Nevertheless, as pointed out earlier it proves that authors were not able to visualise implications of data and draw correct picture of crop performance. Now as it is only one year study and it suffered set back of number of treatments to fulfil the minimum standard statistical requirement of degree of freedom, the minimum age of seedling should not be less than 30 or it should go up to 35 days instead of 25 as reported by the researchers. The BRRI research recommendation seems to be correct and to bring any change it should be thoroughly investigated. Considering above facts three conclusions can be drawn. (1) Hybrid BRRI dhan 29 boro rice seedling should not be less than 35 or even 40 days old. Or in other words BRRI dhan 29 enables farmers to carry out planting for more number of days so work pressure can be reduced. (2) Begunbichi should be planted with minimum 35 days old seedlings. (3) The Hybrid BRRI dhan 28 and scented local variety Khoiyaboro cultivation is not economically promising. Therefore, if authors wish to publish this article they have to include this analysis and report these findings. The revised article as a short note (not more than 4-5 printed pages) should be resubmitted to the journal. As such as indicated in the second revision	Age of seedlings, days	Yield, tonne/ha	Straw ,tonnes/ha	Biological yield,tonnes/ha	Harvest index, %		34.3	31	33	26	Variety, V	Yield	Net return US\$	BCR		Maximised predicted values of age of seedling for transplanting, days			V1 BRRI dhan 28	23	24	24	V2 BRRI dhan 29	37	60	48	V3 Khoiya boro	25	29	26	V4 Begunbichi	31	31	31					Reviewer's comments are appreciable. Actually BRRI recommend a general management package for all rice varieties released for commercial cultivation. So, the attempt was undertaken considering the SRI theme to know the effect of seedling age on both high yielding and local cultivars. I think degree of freedom is sufficient for a factorial randomized complete block design. The reviewer put his commendable endeavour to review this article. He tried to analyze the data through regression analysis. There were only three levels of age of seedling in the experiment. So, prediction may be erroneous using this insufficient data in regression. There is no scope of conducting the experiment further in the next season. The results whatever we obtained that was actual picture of the field experiment. Thus the article may be considered to publish as a full-length paper with the constructive decision of the editorial board.
Age of seedlings, days	Yield, tonne/ha	Straw ,tonnes/ha	Biological yield,tonnes/ha	Harvest index, %																																			
	34.3	31	33	26																																			
Variety, V	Yield	Net return US\$	BCR																																				
	Maximised predicted values of age of seedling for transplanting, days																																						
V1 BRRI dhan 28	23	24	24																																				
V2 BRRI dhan 29	37	60	48																																				
V3 Khoiya boro	25	29	26																																				
V4 Begunbichi	31	31	31																																				



SDI FINAL EVALUATION FORM 1.1

it is further substantiated that the results of the study will be misleading as per second revision. Appropriate scientific data analysis has substantiated this fact.

The time devoted by the researchers is appreciated. But, the scientific rigour demanded these quality control measures.

Requires major revision as a short note and include the suggested results in this comment.