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Authors' response to final evaluator's comments

### **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)
The previous comment content is still maintained. The fact of statements in the revised
manuscript [line 68- line 73] is substantiated by analysing the authors' data reported in
Table 7 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)

Age of	Yield,	Straw	Biological	Harvest index,
seedlings,	tonne/ha	,tonnes/ha	yield,tonnes/ha	%
days	34.3	31	33	26

Table Age of seedlings that produce maximum yield factors as optimised using authors data in Table 11 ie in respect of varieties.

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 BRRIdhan 29	37	60	48	
V3 Khoiya boro	25	29	26	
V4 Begunbichi	31	31	31	

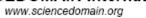
(3) The Hybrid BRRI dhan 28 and scented local variety Khoiyaboro cultivation is no economically promising.

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

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 tha 35 or even 40 days old. Or in other words BRRI dhan 29 enables farmers to carryout 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

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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.	
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.	

# **Reviewer Details:**

Name:	Anonymous
Department, University & Country	India

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