

Review Form 1.7

Journal Name:	International Journal of Plant & Soil Science
Manuscript Number:	Ms_IJPSS_103907
Title of the Manuscript:	Influence of Row Ratio on Assessment of Yield and Economics of Wheat (<i>Triticum aestivum</i>) and Mustard (<i>Brassica nigra</i>) Intercropping System
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:

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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)
<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>This article is important for scientific community.</p> <p>A field experiment was conducted during Rabi 2022 at Crop Research Farm, Department of Agronomy, SHUATS, Prayagraj (U.P) to determine the Influence of Row Ratio on Yield and Economics of Wheat (<i>Triticum aestivum</i>) and Mustard (<i>Brassica nigra</i>) Intercropping System. Treatments consisting with row Proportions with wheat and mustard intercropping. The soil of experimental plot was sandy loam in texture, nearly neutral in soil reaction (pH 8.0), low in organic carbon (0.28%), available N (225 kg/ha), available P (19.50 kg/ha) and available K (92 kg/ha). There were 8 treatments each being replicated thrice and laid out in Randomized Block Design. The results revealed that treatment 1 (Sole wheat cropping) recorded significant and maximum number of effective tillers/m² (634.01), number of grains/spike (52.80), seed yield (4.02 t/ha), straw yield (6.73 t/ha) and Harvest index (37.39 %) of wheat and treatment 2 (Sole mustard cropping) recorded significant and maximum number of siliqua/plant (210.47), number of seeds/siliqua (22.90), test weight (3.66 g), seed yield (1.27 t/ha), stover yield (2.65 t/ha) and Harvest index (32.33%) in mustard and gross return (1,00,363.00 INR/ha), net return (64,312.00 INR/ha) and benefit-cost ratio (1.78) However, Inter-cropping with wheat-mustard (4:1) rows recorded significant and higher Land Equivalent Ratio (1.11), Wheat equivalent yield (5,046 kg/ha).</p> <p>The title of the article is suitable. The abstract of the article is comprehensive.</p> <p>the manuscript is scientifically correct. Subsections and structure of the manuscript appropriate, The work is complete but it is necessary to deepen in materials and methods. References sufficient and recent.</p>	
<p>Minor REVISION comments</p> <ol style="list-style-type: none"> Is language/English quality of the article suitable for scholarly communications? 	<p>English quality of the article is suitable.</p>	
<p>Optional/General comments</p>	<p>MATERIALS AND METHODS</p> <p>Please explain how the economic variables (Land Equivalent Ratio (LER), Monetary advantage (INR/ha), Cost of cultivation (INR/ha) Gross return (INR/ha), Net returns (INR/ha), Benefit cost ratio (B:C)) were estimated. Formulas, software, etc.</p> <p>Wheat and mustard... Why is wheat uppercase and mustard lowercase?</p> <p>here were 8 treatments, each being replicated thrice and...</p> <p>... population as it contains, 71.2 grams of carbohydrates,...</p> <p>...lentil, chickpea, sorghum, coriander, etc.</p> <p>...country; meager attempts have been made in non traditional growing areas of Uttar Pradesh ...</p> <p>... and yield, but at a specific combination LER and yield advantage is definitely augmented. (LER??)</p> <p>Further, Ssignificant and higher straw yield of intercropping...</p>	

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	<p>The data revealed that, significantly highest harvest index (32.33 %) was recorded <u>in treatment 8</u> (Wheat + Mustard in 4:1 rows) <u>treatment 3</u></p> <p>... as compared to <u>the</u> rest the of the treatments...</p> <p><u>correct the format of the paragraph in the conclusions</u></p>	
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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:

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