



SDI Review Form 1.6

Journal Name:	Journal of Experimental Agriculture International
Manuscript Number:	Ms_JEAI_37857
Title of the Manuscript:	Permanent-row vegetation cover and its effects on 'Tannat' canopy and grape in the Campanha region of Rio Grande do Sul state
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:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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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	The research findings in the article are a good contribution in the field of grapevines agronomic management in Brazil. The subject of this study is within the scope of the journal. The data and methodologies presented in this paper appear sound. Grammar and spelling checks are very necessary in the whole document: authors should pay special attention to the use of some technical terms. The introduction section would benefit with more discussion and more recent references. Recognizing, however, the importance of the study for the knowledge of agronomic management practices in grapevine production in Brazil, I consider that, after making the corrections that are suggested below, the article can be published. 1) Grammar and spelling checks are required in the whole manuscript. 2) I am not familiar with the term "Permanent-row" used in the title. As a suggestion, title could be: <i>Inter-row vegetation cover and its effects on 'Tannat' canopy and grapes in the Campanha region of Rio Grande do Sul state.</i> 3) The authors indiscriminately use the terms <i>in-row</i> and <i>inter-row</i>. They are not the same thing: <i>in-row</i> corresponds to the use of cover crops along the plantation line and <i>inter-row</i> between the plantation lines (usually with herbicide application in the line, as it seems to have been used in this study). The terms should be reviewed throughout the document, including the abstract. 4) The term <i>spontaneous vegetation</i> used throughout the manuscript should be replaced by <i>permanent resident vegetation</i>. 5) line 16: replace <i>grapevines</i> by <i>vineyards</i>. 6) Line 17: rephrase ...<i>and physiological imbalances caused by such herbicides ...</i> 7) Line 29: rephrase ... <i>in relation to the management of perennial crops, ...</i> 8) <i>Line 32: replace plant cover by cover crops</i> 9) <i>Line 39: replace conduction systems by training systems</i> 10) <i>Line 39: rephrase ... All this leads to the study and use not only of permanent inter-row vegetation cover by producers,...</i> 11) Line 55: replace <i>The region's soil belongs</i> by <i>Local soils belong</i> 12) In soil texture description the percentages of sand and silt should be also given in addition to the percentage of clay. 13) Line 56: replace <i>deep at 1,2 m</i> by <i>1.2 m depth ...</i> 14) Line 57 : the authors state that chemical and physical characteristics of the soil were analyse and refer Table 1 but in this table the information given is the phenological evolution. Also, this table is not referred in the text, although the phenological evaluation is described in the lines 135 to 138. 15) Line 64: long term averages of precipitation and temperature in the experimental site should be given. 16) Line 90: replace <i>conducted by trained</i> 17) Line 99: replace <i>hacked</i> by <i>cutted</i> 18) Line101: rephrase ... <i>was characterized by bare soil...</i> 19) Line 102: replace <i>seasons</i> by <i>stages</i> 20) Line 103: replace <i>the color change</i> by <i>veraison</i> 21) Line 109: yield and production – are there any differences? The same with leaf area surface expressed per plant and per hectare. It's a redundant analysis. 22) Line 110: replace <i>indoor</i> by <i>inner</i> (several throughout the manuscript) 23) Line 124: replace <i>sheet</i> by <i>leaf</i> 24) Tables 2, 3 and 4: use only lowercase letters to indicate significant differences 25) In tables 2, 3 and 4, why the differences between seasons 2014/15 and 2015/16? Please add some discussion	1) Grammar and spelling were checked 2) Suggestion accepted and effected 3) Suggestion accepted and effected 4) Suggestion accepted and effected 5) Suggestion accepted and effected 6) Suggestion accepted and effected 7) Suggestion accepted and effected 8) Suggestion accepted and effected 9) Suggestion accepted and effected 10) Suggestion accepted and effected 11) Suggestion accepted and effected 12) A new Table (1) was added and shows soil texture 13) Suggestion accepted and effected 14) This incorrectness has been corrected 15) Figure 1 shows precipitation and temperature 16) Suggestion accepted and effected 17) Suggestion accepted and effected 18) Suggestion accepted and effected 19) Suggestion accepted and effected 20) Suggestion accepted and effected 21) Yield means production/area Production means production/plant The same with leaf area per plant and per hectare, it is much easier to find this data ready in the Table than to have to calculate 22) Suggestion accepted and effected 23) Suggestion accepted and effected 24) Suggestion accepted and effected 25) Suggestion accepted and effected 26) Yes, we meant permanent vegetation cover, it was a mistake 27) Suggestion accepted and effected



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	26) Line 308: do authors mean permanent vegetation cover instead of permanent irrigation? 27) Line 308: replace <i>green wines</i> by <i>Vinhos Verdes</i>	
Minor REVISION comments	In the introduction section, authors should add and discuss more recent references about the influence of cover crops on grapevine vigour, yield and grape quality, both in rainfed and irrigated conditions, in deep soils. The article may gain robustness with the highlighting of the importance of different pedoclimatic conditions and soil water availability in the vegetative growth, yield and quality of the grapes.	Suggestion accepted and effected
Optional/General comments		The authors would like to thank the suggestions and contributions for the manuscript improvement.