



SDI Review Form 1.6

Journal Name:	Journal of Experimental Agriculture International
Manuscript Number:	Ms_JEAI_39729
Title of the Manuscript:	Growth Promotion by Azospirillum brasilense in the Germination of Rice, Oat, Brachiaria and Quinoa
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)
<u>Compulsory</u> REVISION comments	Comments on Ms_JEAI_39729: 1. The objective of this study should be changed. There is “The objective of the present work was to evaluate the growth promotion of <i>Azospirillum</i>”, but the promotion of <i>Azospillum</i> has not been studied! These sentence should read as follows “The objective of the present work was to evaluate the growth promotion of <i>Oryza sativa</i>, <i>Avena sativa</i>, <i>Brachiaria 75 ruziziensis</i> and <i>Chenopodium quinoa</i> by <i>Azospirillum brasiliense</i> bacterium” 2. Methodology of the work is not clear: - there is no information as to how plants were grown? In pots? How big they were, how much sand? How many plants per pot? Temperature? Moisture content of the sand? - seven days after sowing there were no leaves in oats, for example, only one coleoptile per seed! So, how leaves could be sprayed? - seedlings were sprayed with 100 ml of the inoculums per ha! Only 100 ml? How was it calculated per ha? - almost no positive results were obtained! Possibly due to the low quality of the commercial inoculant of <i>A. brasiliense</i>. Such inoculants often contain no alive bacterial cells! Therefore I would suggest to check the quality (number of live cells of <i>Azospirillum</i>) of the inoculant at the beginning of experimentation. Such experiments should be repeated several times.	1. We agreed and the manuscript was corrected. 2. The plants were grown in trays, filled with sand; the treatment with sprayed inoculants occurred at 7 days after germination, not after sowing; 100 ml is a recommendation from producer. All corrections were accepted.
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		