



SDI Review Form 1.6

Journal Name:	Journal of Experimental Agriculture International
Manuscript Number:	Ms_JEAI_35506
Title of the Manuscript:	Assessment of yield attributes and industrial quality parameters of oat vcultivars (<i>Avena sativa</i> L.) using multivariate techniques (PCA, PLS-DA and OLS-R)
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.

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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	Abstract: - Line 9, "research" should be "study". - The summary is weak and does not summarize the excellent results in this study. Materials and methods: - Where are the oat cultivars? - What is the meaning split plot in line 81? - Where is the replication in this study? - Lines 88 and 175, (2012 to 2015) should be (from 2012 to 2015). - Line 81, the authors were used completely randomized block design, while the Line 160 they using split plot design, which is true? Results and discussion: - Where are the Tables of the analysis of variance (ANOVA), mean performances and multiple comparison tests (Tukey test, 5% of probability) of the four field experiments during with and without fungicide application? - The correlations are not true in this study, because this study included oat cultivars and fungicide application with and without, and how to calculated the correlations by cultivars only or with and without fungicide applications or together? - Line 302, "URS-FAPA-SLAVA" should be "URS-FAPA-SLAVA.1". - The genotypes using cluster analysis divided into two groups, the first group comprised one genotype, the second group comprised other genotypes. Or the genotypes using cluster analysis at least divided into five clusters. - Multivariate techniques need more support than discussed and writers.	Line 9 corrected Included in the supplementary table 1 It was our mistake. We used a split plot design, with 03 blocks as repetitions. We have corrected We decided to include in the supplementary data (An R report provided with all analyses) The correlations are true. We included the application or not of fungicide as one variable which we called application and tested if there is an association as represented in our results. Line 302 corrected 3 groups can be observed. The third comprised by only one genotype. We revised the discussion.
Minor REVISION comments		
Optional/General comments		