



SDI Review Form 1.6

Journal Name:	Asian Journal of Advances in Agricultural Research
Manuscript Number:	Ms_AJAAR_33775
Title of the Manuscript:	Responses of Rhopalosiphumpadi (L.)(Homoptera: Aphididae) on different wheat cultivars under laboratory conditions
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	In the manuscript, The authors chosen a time consuming method (aphid life –table), to investigate seven commercial wheat cultivars of commonly grown in wheat- producing, there are little background of field screen cereal aphid resistance, neither resistant no susceptible cultivars control, conduct aphid life –table investigation on wheat seedling (plants at third true leaf stage), but no comparison with biological parameter of aphid on wheat heading stage (which is susceptible stage for aphid infestation) , therefore it is improper in experimental design, the data just compare the difference of aphid's life parameter among the seven wheat cultivars, but have nothing to do with the high – low resistance, because there is not any standard for resistant score identify, so the data couldn't support the conclusion.	The cultivars have been chosen for this research because of their planting season in which they are exposed to the aphid attack due to being in a seedling state. On the other hand, there is not yet a cultivar recognized as susceptible or resistant with which comparisons can be made. For this reason the results should be understood in relative terms,
Minor REVISION comments	Some expressions is not correct, for example: Line 7 “ <i>Rhopalosiphum padi</i> (L.), is not a polyphagous species”, I think the aphid is oligophagous at (the) most, because it only feed on gramineous plants (wheat, corn or grass) Line 70 , the unit of some parameter, rm : females/female/day, incorrect , maybe “offspring/ adult/day” is better , the same as “R ₀ ”.	R. padi cannot be considered an oligophagous aphid because it also lives on Prunus in a phase of its life cycle. In the parthenogenetic phase all individuals are females. Offspring and adults are always female. This terminology is commonly used in papers related to life tables in aphids and other animals when males are not considered.
Optional/General comments		