SDI Review Form 1.6

Journal Name:	**Journal of Engineering Research and Reports**
Manuscript Number:	**Ms_JERR_46116**
Title of the Manuscript:	**Effect of tillage speed, depth, ballast weight and inflation pressure in the tires on the fuel consumption of the agricultural tractor: A review**
Type of the Article	**Review Paper**

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	1. Include the recommendations of the tractor and tyres manufacturers for the reduction of fuel consumption. 2. Review the size of the figures and tables center on the page. Improve the quality of the figures. It is recommended that the authors make the figures, 3. Include a picture from the tractor operations, putting in this picture all recommendations for reducing fuel consumption. 4. The tyre wear was not included in the study and the problems related to tractor maintenance were not included. It is important that authors include these items in this research. 5. Other recommendations are listed below.	1- The review is about the effect of the tillage speed, depth, weight of the tractor and tire inflation pressure so the manufacturers can't controle these factors in the field. 2. done 3and 4.. This is a review article so I just use a results from other full research articles.
Minor REVISION comments	Line 15 – remove from this text "(arial, bold, 11 font, left aligned, caps)", after abstract. Could you please explain why tillage requires more traction energy in Abstract? Could you please explain "complete technology" in Abstract? In Abstract, change the word from: article to: research. Line 20 to 26 – I think it isn´t necessary as it appears in the text. Introduction: Line 31 and 32: what are the operations in agriculture and the respective energy consumption? Line 32 and 33: review the references according to the Journal's standard. Line 39 and 40: What are the economic, environmental and agricultural benefits of reducing fuel consumption? Line 66: Change from: 5.5 to 6.5 km.h-1 to: 5.5 to 6.5 km/h. Please, revise all text. Line 67: Change from: 2,98 L to: 2,98 liters. Please, revise all text. Figure 1 – Improve the position of the figure in the text (increase and center) and put as author´s contribution, what is the ideal range for diesel consumption and the type of tractor? The authors must be do a survey with tyre and tractor manufactures to check their recommendations regarding consumption (project x real). Figure 2 – Improve the position of the figure in the text (increase and center). The authors could put a picture of a tractor, and explain in this picture all process. Figure 3 – Improve the position of the figure in the text (increase and center). From the beginning of the text to line 134 – font Times New Roman, font size 11 – from line 135 to 141 – font Arial, font size 11. Please, standardize according to the Journal´s standard. Line 150 to 154: What is the amount of water that can be uses as ballast in an agricultural tyre? Are there any recommendations from tyre and tractor manufacturers? Line 169 to 188: Include recommendations from tyre and tractor manufacturers in this research. The tyre wear was not included in the study and the problems related to tractor maintenance were not included. These items contribute to increased fuel consumption. What are the author´s recommendations for consumption reduction for each item cited in this research?	Please notice that this is a review article not a full research paper. The other comments were done.
Optional/General comments	This research is very important as it addresses the consumption of a non-revewable fuel and the authors make some recommendations for reducing fuel consumption.	

PART 2:

	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)*
Are there ethical issues in this manuscript?	*(If yes, Kindly please write down the ethical issues here in details)*	