**Reviewer A: COMMENTS:**

All the changes have been incorporated in the revised manuscript as reviewers suggested.

**Reviewer B: COMMENTS**

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| Sr. no. | Comment | Response/action |
| (i) | Line 10 change  agro ecosystem  to agroecosystem  | Agreed, and modified in text |
| (ii) | Replace “Three tillage systems included moldboard 14 plough(MP), tine cultivator (TC) ,,,by deep tillage and conventional tillage; For minimum tillage (MT) you have mentioned tillage system/type, while for others, tillage implements has been mentioned. | Agreed and done as suggested |
| (iii) | Line 15 mouldboard, or moldboard, please keep consistent throughout the manuscript    | Now it is consistent throughout |
| (iv) |  Line 16 Correct sentence “ Ceq the highest grain Ceq…… | corrected |
|  | L. 18-19 confusing: The maximum Ceq biomass was estimated in winter with MC (2867 kg 19 Ceq ha-1) in summer. | corrected |
| (v) |  Line 32 Replace carbon (C) by “C”, as already spelled | Agreed and done as suggested |
| (vi) | Lines 34, 36 these abbreviations are not used frequently, do not need to use abbreviations  | Done as suggested  |
| (vii) |     Line 38 Please re-write the sentence | Agreed and rewritten |
| (viii) | Line 41 please use abbreviation, keep consistent | Agreed and suggestion incorporated |
| (ix) | Line 66 please check it | Checked and modified  |
| (x) | Line 66-68 please rewrite the sentence | Agreed and rewritten |
| (xi) | Line 73: Le Quere? | It is the scientist name who proposed the value |
| (xii) | Line 74 replace BMP by management practices (BMPs) | Done as suggested  |
| (xiii) | Line 80: replace management practices (BMPs) by BMPs | Replaced as suggested |
| (xiv) | Line 96-97 give a detailed information for green manure  | Detail information incorporated |
| (xv) | Line 113: from3 replace by “from ….name of scientist………; | Replaced as suggested |
| (xvi) |  Line 119 You do not need to use abbreviation | Ok agreed and done  |
| (xvii) | Lines 139-143 please re-organize these paragraphs, making them concise and easy to follow | Paragraph rephrases and organized in revised MS |
| (xviii) | Line 144: There are many sentence & grammar mistakes, e.g.  Delete“was used” | Done |
| (xix) |  Lines 220 the conclusion is simple and give a bit more its application | Conclusion improved now  |
| (xx) |   Please check references carefully. | Rechecked all the references  |
| (xxi) | Need improvement in Fig quality, e.g. Fig. 2 Legends are not clear;increase the font size.Font size of X  & Y axis is not same. | Figure improves as suggested and now all the axis are equal.  |

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