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Journal Name:	International Journal of Plant & Soil Science
Manuscript Number:	**Ms_IJPSS_25339**
Title of the Manuscript:	**Dynamics of Soil Carbon, Nitrogen and Soil Respiration in Famer's Field with Conservation Agriculture, Siem Reap, Cambodia**
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	**Line 26: It has been** **37 claimed that components of CA promote soil health, productive capacity, and ecosystem services** **REVIEWER:** Use 'Conservation Agriculture' here as well as CA. Even though it is defined in the Abstract, it should also be added here. **Line 67: No-till** **68 system may promote N2O emissions.** **REVIEWER: Add reference** **The introduction is too long. You don't need so much detail on CA.** **REVIEWER:** Please change accordingly **Line 91 The geographic location of the study sites is shown in Figure 1. Briefly, the 15 study sites** **92 were located in three villages in Siem Reap Cambodia: O'Village (13°19'22.9"N;** **93 103°56'50.62"E); Sratkat village (13°20'55.57"N; 104°02'45.11" E); and Soutrikum Village** **94 (13°16'48.66"N; 104°07'47.85"E).** **REVIEWER:** You should eliminate the table from Figure 1 because it repeats the information provided here. **REVIEWER:** Line 101 to 105. I don't understand why this is important.	

	Line 106 :In CA, tillage was no longer repeated after the first crop production, dry rice straws **107 (*Oryza sativa* L.) of about 15 Mg ha-1 were placed on top of the vegetable beds' surface as mulch** **108 (8 cm height). A cover crop *Crotolaria juncea* L. was planted at 0.5 m apart at a rate of 30 kg ha-** **109 1 between rows of crops. One week prior to harvesting the main crop, *Crotolaria juncea*, was** **110 then cut from the base of the stem, laid on top of the soil, and covered with rice mulch with the** **111 same rate as above. Holes were dug at about 10 cm in diameter and by 10–12 cm depth for** **112 planting the next crop. In CT, the soil was continuously tilled at about 20 cm depth, using hoe** **113 and moldboard plow drafted by two buffalos. The soils were then evened out using rakes, beds** **114 remade, remaining residues taken out and sometimes burned, and holes manually dug for the** **115 next crop (Figure 3).** REVIEWER: Start this paragraph by talking about CT. Describe it in detail. Then talk about CA, and how it differs. REVIEWER: In section 2.2, it is not possible to understand how the plots were laid out in relation to the treatments. As a result, the statistical results cannot be evaluated properly. How were the plots laid out (randomly?) and were there subplots? Line 118, for example reads: Each plot measuring 100 m2 was replicated five times. Then, line 123 reads: Within each farm, CA and 124 CT experimental units covering an area of about 25 m2 were sampled diagonally in two depths; 125 surface (0-10 cm) and bottom (10-20 cm) layers. Five subsamples were taken…	

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	Line 125: Five subsamples were taken, REVIEWER: How and with what? Line 148: Soil respiration was measured 12 times REVIEWER: When during the day? Line 201: It is generally recognized 202 that the differential effects of crop rotations on SOC are simply related to the amount of above 203 and belowground biomass produced and retained in the system. **REVIEWER:** Isn't this obvious. How else would SOC increase? **REVIEWER**: Lines 208-230. This paragraph adds nothing to the discussion and should be deleted. Or you need to incorporate this **REVIEWER**: Add sample sizes to all tables.	
Minor REVISION comments	The authors should engage a fluent English-language speaker to read and edit the manuscript. There are numerous grammatical and spellings errors throughout the manuscript.	
Optional/General comments		

Reviewer Details:

Name:	***Clive Welham***
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