Response to Reviewer 3 Comments

Point 1: The title of the manuscript is very complex. You may simplify the title as " Management, forage quality, and revenue opportunities for feed and bioenergy of Rye"

Response 1: We feel it's important to keep "Rye as an energy crop" in the title the emphazie the idea of using winter rye as an energy crop. We don't know of any papers other than Launay et al., 2022 that use the term energy cover crop in the title. As such, we have left the title as is in the original submission.

Point 2: Abstract: P1-L13: please delete …..energy cover crop……., P1-L13: Replace 'two-year' by 'two-years'

Response 2: We appreciate the reviewers comments. However, the sentence should read *"a two-year field experiement"* so we have left the sentence as is in the original submission. Again, we feel it's important to emphasize this analysis is looking at rye as an "energy cover crop" due to the limited attention of energy cover crops in the literature.

Point 3: Introduction: is too long, please reduce it

Response 3: We disagree the intorudction is too long and feel the background information is critical for readers of this special issue who are likely coming from a broad range of backgrounds that convene around biomass utilization.

Point 4: Materials & methods: It would be more readable if you split the M&M into different sub-headings

Response 4: We appreciate this comment and have adding subheadings to the Materials & Methods section to make the text more readable.

Point 5: P5-L245: please subscript 2 in CO2-e

Response 5: We have made this change.

Point 6: P6-L261-66: Not necessary. Please delete the whole paragraph.

Response 6: We have deleted the paragraph prefacing the results section sub-headings.

Point 7: Page 7 & 8: Figure 1 should come after Table 1 in the manuscript because Table 1 cited first in the text. Please reorganized.

Response 7: We reorganized the manuscript so Figure 1 appears after Table 1 as Table 1 is cited first in the text.

Point 8: Please remove Appendix A & B from the main manuscript file & upload them as separate file in the Supplementary Document

Response 8: We have moved Appendices A & B to a supplemental information document.

Point 9: Please try to cite only SCOPUS and WOS journal articles instead of popular article or website informations

Response 9: We agree that we would like to cite only SCOPUS and WOS journal articles, however some of the pertinent background information to frame the idea of rye as an energy cover crop in anaerobic digestion systems is found in popular articles.