



SDI Review Form 1.6

Journal Name:	American Journal of Experimental Agriculture
Manuscript Number:	Ms_AJEA_24217
Title of the Manuscript:	Digesta Viscosity and Microbial Load in Broilers fed Wheat-Based Diets Supplemented with Roxazyme G2G
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 <i>(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)</i>
<u>Compulsory</u> REVISION comments	1/ There is no indication about chick age of passage from the starting feed to the finisher. The dose of Roxazyme used in this study is not indicated and how it's incorporated in the feed? 2/ The rations are not quite iso-energetic and iso-nitrogenous (as there was a substitution of 20% maize by 20% wheat without considering the differences in composition of these two products). 3/ It would be interesting to make measurements at the end of the starting period (21 or 28d) because the young chick is less tolerant to the anti-nutrients than older chickens. 4/ Interesting to present data concerning growth, feed intake and feed conversion ratio of chickens of the three lots in this study to confirm line 123. 5/ Line 142 "The inclusion of wheat ...had a negative correlation with the microbes in the different sections of the GIT. " This correlation was not demonstrated in this work as there was a single rate of wheat (20%). 6/ The conclusion does not reflect the content of the study : - the decrease in the viscosity is not statistically significant (no difference between the 3 treatments in table 3) - gut integrity is not demonstrate in this study - It's necessary to complete the study by the effects of the Roxazyme on digestibility and growth performance of animals to judge the interest of its use in poultry feeding (the study covered only a few parameter of the digestive tract and microbial flora in chickens of 42 days). It's possible that use of Roxazyme improve digestibility of the nutrients feed and performances the chicks.	These comments are noted and now corrected. The enzyme is incorporated like other ingredients were added. This was observed too. I left it to avoid several ingredient variations which may contribute to the result. Moreover, the protein and energy were within the range This is very good. It will be considered in the follow up study. Information is now included This is noted and corrections effected This is noted and corrections effected
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		