

Review Form 1.6

Journal Name:	Current Journal of Applied Science and Technology
Manuscript Number:	Ms_CJAST_85127
Title of the Manuscript:	Effect of Integrated Use of Nitrogen and Biofertilizer on Yield of Cabbage (Brassica oleracea var. capitata L.)
Type of the 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. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

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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)
<p>Compulsory REVISION comments</p> <p>ABSTRACT</p> <p>The experimental findings revealed that no. of days taken to 50% head maturity (65.21), no. of days taken to 100% head maturity (73.23),</p> <p>MATERIALS AND METHOD</p> <p>The experiment was laid out in Randomized Block Design with 4 levels of Nitrogen (0, 75%, 100%, and 125%) alone and in combination with 2 biofertilizers i.e. <i>Azotobacter</i> and <i>Azospirillum</i> in combination with nitrogen levels, and one is absolute control was laid out in simple RBD with three replications. The treatments were T_0 = Control, T_1= <i>Azotobacter</i>, T_2= <i>Azospirillum</i>, T_3= 75% of RDN + No Biofertilizer, T_4=75% of RDN + <i>Azotobacter</i>, T_5= 75% of RDN + <i>Azospirillum</i>, T_6= 100% of RDN + No Biofertilizer, T_7= 100% of RDN + <i>Azotobacter</i>, T_8= 100% of RDN + <i>Azospirillum</i>, T_9=125% of RDN + No Biofertilizer, T_{10}=125% of RDN + <i>Azotobacter</i> and T_{11}=125% of RDN + <i>Azospirillum</i>.</p> <p>Thirty days old seedlings developed from different treatments were dipped in biofertilizer solution for 15 The seedlings were ready for transplanting within five-six weeks.</p> <p>The observations were recorded on least significant difference at 5% level was used for finding the significant differences among the treatment means.</p>	<p>Authors should consider writing number rather than no. And this is applicable throughout the write-up.</p> <p>This statement is contradictory as such authors should recast. 4 levels of nitrogen fertilizer and 2 levels of biofertilizer is making 8 + a control making 9. What about putting it as in the abstract; the experiment comprised of twelve treatments laid out in RBD replicated 3 times. The treatments were as follow; T_0 = Control, T_1= <i>Azotobacter</i>, T_2= <i>Azospirillum</i>, T_3= 75% of RDN + No Biofertilizer, T_4=75% of RDN + <i>Azotobacter</i>, T_5= 75% of RDN + <i>Azospirillum</i>, T_6= 100% of RDN + No Biofertilizer, T_7= 100% of RDN + <i>Azotobacter</i>, T_8= 100% of RDN + <i>Azospirillum</i>, T_9=125% of RDN + No Biofertilizer, T_{10}=125% of RDN + <i>Azotobacter</i> and T_{11}=125% of RDN + <i>Azospirillum</i>.</p> <p>These statements need to be clearly explain and reconcile. In a nutshell authors need to improve on their materials and methods.</p> <p>Recast</p>	<p>NUMBER</p> <p>Twelve treatments were arranged in Randomized Block Design viz. T_0- Control, T_1 - <i>Azotobacter</i>, T_2 – <i>Azospirillum</i>, T_3 - 75 % RDN + No biofertilizer, T_4 - 75% of RDN + <i>Azotobacter</i>, T_5 - 75% of RDN + <i>Azospirillum</i>, T_6 - 100% of RDN + No Biofertilizer, T_7 - 100% of RDN + <i>Azotobacter</i>, T_8 - 100% of RDN + <i>Azospirillum</i> T_9 - 125% of RDN + No Biofertilizer, T_{10} - 125% of RDN + <i>Azotobacter</i>, T_{11}- 125% of RDN + <i>Azospirillum</i> with three replications.</p> <p>The seeds were sown on 19 September, 2018 after treating with <i>Azotobacter</i> & <i>Azospirillum</i> @ 200 g/10 kg of seed as per treatments at a depth of 2 cm.</p> <p>Thirty days old healthy and sturdy seedlings were selected and transplanted after dipping in biofertilizer solutions for 15 minutes in evening at 45 cm x 45 cm spacing on flat beds of 1.52 m x 1.21 m and soil application of <i>Azotobacter</i> and <i>Azospirillum</i> @ 2 kg/ha was also done in the plots at the time of transplanting. To test the significance of variation for the data recorded from growth and yield attributes, the analysis of variance</p>
<p>Minor REVISION comments</p> <p>INTRODUCTION , and its use helps to reduce the number of inorganic nitrogen fertilizers used</p>	<p>Quantity/amount of fertilizer or number?</p>	<p>QUANTITY</p>

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Optional/General comments		NO
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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?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	NO