



SDI Review Form 1.6

PART 1:

Journal Name:	American Journal of Experimental Agriculture
Manuscript Number:	2013_AJEA_3649
Title of the Manuscript:	AN INVESTIGATION OF THE CONTENT OF MANGANESE IN THE FRUIT OF MARROWS IN RESPECT OF THE KIND OF FERTILIZER AND THE TYPE OF FERTILIZATION

General guideline for Peer Review process is available in this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)

- This form has total 7 parts. Kindly note that you should use all the parts of this review form.



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PART 2: 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	The paper shall be revised by an English speaking person because it is very difficult to read and to understand the meaning. Frequently the terminology used is not correct (e.g. line 54 on humus, 57 on P, 71 on treatments (variants), all correlation (subordinate) figures, and others). The methods of determination of carbohydrates and of the dry matter as well as the statistical analysis used shall be included in the Materials and Methods. One of the fertilizers used in the trial does not contain any manganese (see Table 2). How can be studied its effect on manganese nutrition? The data shown in tables and figures do not contain any statistical reference (SD or SEM) nor discrimination according to mean differences. Thus, it is not possible to evaluate the differences between treatments, nor to consider the interpretation made by the authors. The correlations between different parameters are made on the basis of three points. In some cases other curves then those shown could be drawn to represent the relationships. Therefore, it is difficult to interpret the results. In some cases an unknown unit is used for the data (e.g. kg dka-1). Please use SI units. There is inconsistency in interpreting the results. For example compare lines 151-152 and 159-160. Some conclusions made in the discussion are trivial: e.g. the statement on lines 171-172. Others are too	Thank you for the recommendation. Total carbohydrates were determined by Haygedorn – Jensen (Stanchev et al, 1968) and dray mass-weight method (Stanchev et al, 1968). [27] Stanchev.L.. G. Gurov, N. Mashev. 1968. Manual for chemical analysis of plants, soils and fertilizers, publisher “Hr. G. Danov”, Plovdiv, p. 287 (in Bulgarian). Relative Standard Deviation about Mn determined according to the BTC method is figured out. The obtained results about total carbohydrates and dry matter are mathematically processed using the dispersion analysis method for one factor field trial [28], as the program product BIOSTAT (ANOVA) was used [28] Dimova D., E. Marinkov: 1999.Experimental work and biometry, <i>Academic publishers of Agricultural University</i>, Plovdiv (in Bulgarian)



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	speculative: e.g. the statement on lines 182-184. There is no discussion with work of other authors. Even though studies on marrow are limited, literature on the effect of manganese fertilization on plants is quite common. This shall be considered.	The manuscript was revised thoroughly to correct the problems.
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		