



SDI Review Form 1.6

Journal Name:	American Journal of Experimental Agriculture
Manuscript Number:	2014_AJEA_10989
Title of the Manuscript:	Dose optimization of Potassium (K+) for yield and quality increment f strawberry (Frageria × ananassa Dutch)
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:

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



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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)
<u>Compulsory</u> REVISION comments	I recommend thorough proofing of the manuscript by an expert of the English language TITLE are mistakes in spelling: • is <i>Frageria</i>, and should be <i>Fragaria</i> (the same problem is also in the abstract) • is increment f, and should be increment of • is Duch, and should be Duch. because it is short and must be point Better use of potassium than Potassium (K⁺) May be better in the title indicate the name of the cultivar because only one cultivar has been studied, e.g. Dose optimization of potassium for yield and quality increment of strawberry (<i>Fragaria</i> × <i>ananassa</i> Duch.) 'Chandler' INTRODUCTION No reference to previous studies on the fertilization of strawberry 'Chandler'. • Line 6 and 7: Wojcik and Marlusz 2001 not in References • Line 16: Amin, 2006 and in References Amin 1996 – which year is correct? • Line 20: Marshner and in References Marschner – which name is correct? • Line 24: Sczzerba and in References Szczerba -- which name is correct?	Corrections are done where needed in light of comments stated.



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	- Line 36: Jskani, 2014 not in References MATERIAL AND METHODS Lack of data on temperature and humidity in open conditions and analysis of soil (content of macro and micronutrients). It is not clear when the plants were fertilized. The field experiment lasted one cropping season, I believe that this type of research should be conducted for at least two seasons. How determined the number of days to flowering, fruit set and fruit maturity? Lack of information the statistical test used. - Line 11: McLean and in References McClean – which name is correct? RESULTS AND DISCUSSION Table 1. Number of days to flowering of plants fertilized with potassium at a dose of 50, 60, 70 and 80 kg were not significantly different ($P=0.05$) so you can not conclude that <i>“the lower number of days (102,39) to flowering recorded in plants treated with Potassium at 80 kg”</i> Why is the calculated number of days is determined as many decimal places? Are only two homogeneous groups (a and b for Date to fruit maturity) so you can not use to determine the highest or the lowest, it is better to use more or less. If there are no significant differences (Number of runners) can not be said that the plant had the highest or the lowest number of runners. Why are so many comparisons to the results obtained in studies on tomato and so little on strawberry? If not better present the results of the use of correlation and regression?	
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	- Line 14: Varis et al. 1985 and in References Varis S., George T. Next page - Line 8: Better crops Vol. 82, No.3, 1998 – I don't understand Next page - Line 18: Singh and Verma, 1991 not in References Next page - Line 5: Mengel and Kirkby, 1987 not in References REFERENCES References should be improved in accordance with the requirements of the journal American Journal of Experimental Agriculture. Wojcik P., Lewandowski M. – not in text I recommend the following articles: Bakshi P., Jasrotia A., Sharma A., Rai P.K., Wali V.K., Kumar R. Pre-harvest application of iron and zinc influences growth, yield, quality and runner production of strawberry (<i>Fragaria × ananassa</i>) cv. Chandler. Indian Journal of Agricultural Sciences 2013; 83 (6):678-684. Bakshi P., Jasrotia A., Wali V.K., Sharma A., Bakshi M. Influence of pre-harvest application of calcium and micro-nutrients on growth, yield, quality and shelf-life of strawberry cv. Chandler. Indian Journal of Agricultural Sciences 2013; 83 (8): 831-835. Singh S.R., Srivastava K.K., Sharma M.K., Singh L., Sharma V.K. Screening of strawberry (<i>Fragaria × ananassa</i>) varieties under organic production system for Kashmir valley. Indian Journal of Agricultural Sciences 2012; 82 (6):538-542. Kumar A., Avasthe R.K., Rameash K., Pandey B., Borah T.R., Denzongpa R., Rahman H. Influence of growth conditions on yield, quality and diseases of strawberry (<i>Fragaria x ananassa</i> Duch.) var. Ofra and	
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	Chandler under mid hills of Sikkim Himalay 2011; Scientia Horticulturae 130 (1):43-48. Abou El-Yazied A., Mady M.A. Plastic mulch color and potassium foliar application affect growth and productivity of strawberry (<i>Fragaria x ananassa</i> Duch) 2012; Journal of Applied Sciences Research, 8 (2):1227-1239.	
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		