



SDI Review Form 1.6

PART 1:

Journal Name:	<u>American Journal of Experimental Agriculture</u>
Manuscript Number:	2013_AJEA_5322
Title of the Manuscript:	Synergistic interaction of sublethal doses of 2,4-D and glufosinate on glyphosate-resistant Amaranthus palmeri
Type of the Article	Research Paper

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

[\(http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline\)](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)
<u>Compulsory</u> REVISION comments		
<u>Minor</u> REVISION comments	In this work, the negative cross resistance is employed to management the weed resistance. In the methodology the authors employed glufosinate as a mixture with other herbicides, however, data with glufosinate alone are not presented, would be nice to know if this herbicide affect other populations than Pra-C . Minor comments. Line 150 – deleted the second “in” 157 – What means kg ae/ha? 158 - Why ammonium sulphate was added to tembotrione-alone? 163 – What kind of fertilizer was used? 180, 188 and 189 – correct references 217 What about Phi-B population?	Effect of glufosinate on other Palmer populations added to Table 1 and in the R & D section. Line 150 – deleted as suggested Line 157: ae = acid equivalent. This is the standard unit for herbicides with an acid as base molecular structure and formulated as different kinds of salt. A good example is glyphosate, with the active molecule as glyphosate acid and formulated as salts of isopropylamine, trimethyl sulfonium, or potassium. Various formulations are compared with respect to the glyphosate acid concentration. Line 158: tembotrione is recommended with AMS as an additive; Other herbicides are not. Line 163: Miracle-Gro. Details are added to the text.



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	Table 2 is missing or there are two table 1.	Line 180, 188,189 – references corrected Line 217: Yes, this also should be included and was added to the text. Table number is corrected.
<u>Optional/General</u> comments		