



**SDI Review Form 1.6**

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| Journal Name:            | <a href="#">American Journal of Experimental Agriculture</a>                                                                      |
| Manuscript Number:       | 2014_AJEA_11955                                                                                                                   |
| Title of the Manuscript: | Distribution of imidacloprid residues in two sandy soils of Portneuf (Quebec) under potatoes ( <i>Solanum tuberosum</i> ) culture |
| 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) |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Compulsory</b> REVISION comments |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                               |
| <b>Minor</b> REVISION comments      | <p><b>Reviewer's Comments on the manuscript titled:</b></p> <p><b><i>'Distribution of imidacloprid residues in two sandy soils of Portneuf County (Quebec) under potatoes (<u>Solanum tuberosum</u>) culture'</i></b></p> <p>The manuscript describes field observations of the dissipation, distribution and leaching potentials of the nicotinoid insecticide, imidacloprid in two sandy soils. The experiments described here were meant to confirm observations from previous intact column experiments, and thereby facilitate development of models for predicting behavior of the insecticide in soil. This reviewer recommends publication of the manuscript with the following minor clarifications and suggested improvements:</p> <p><b>Page 1, Abstract, line 5-6 from bottom:</b> <i>'..soil contamination after harvest is insignificant compared to amount of imidacloprid applied'</i>. This statement was not clear to this reviewer. The authors are encouraged to consider less ambiguous statement about statistical significance, e.g., <i>the difference between initial amount of imidacloprid applied and post-harvest levels of the insecticide was not significant (p level)</i>.</p> <p>If indeed this was the case, the authors are encouraged to discuss briefly, soil contamination during foliar applications of imidacloprid.</p> | <p>Ok</p> <p>Ok</p>                                                                                                                                                           |



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|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                            | <p><b>Page 4, line 87-88.</b> Maintain <i>samples were sieved</i> instead of <i>samples were filtered</i>. Also, address concerns, if any, about storing pesticide samples in plastic bags prior to residue analyses.</p> <p><b>Page 5, line 115 and following:</b> consider using <i>location</i> instead of <i>position</i>; and <i>sampling period</i> instead of <i>sampling moment</i>.</p> <p><b>Page 6, Table 3.</b> Reconcile information from 113 DAA in report and 116 DAA in Table.</p> <p><b>Pages 8-9:</b> Consider improving quality of graphics (Figures 2 and 3)</p> <p><b>General:</b> The authors are strongly encouraged to include data from day 0, i.e., immediately after pesticide application. Also, comment on the differences in residue recoveries from the different soil types (and over time).</p> | <p>Ok</p> <p>It was not possible, because the applications were done by the industrials, because for hihg risk of manipulation;they called us after application, for sampling; and the sampling was also enough. This explain the differences of DAA in two farms</p> |
| <b><u>Optional/General</u></b><br>comments |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                       |