

Accepted Manuscript

Straw removal reduces the mulch physical barrier and ammonia volatilization after urea application in sugarcane

Patrick Leal Pinheiro, Sylvie Recous, Guilherme Dietrich, Douglas Adams Weiler, Roberta Lago Giovelli, Ana Paula Mezzalira, Sandro José Giacomini



PII: S1352-2310(18)30625-3

DOI: [10.1016/j.atmosenv.2018.09.031](https://doi.org/10.1016/j.atmosenv.2018.09.031)

Reference: AEA 16264

To appear in: *Atmospheric Environment*

Received Date: 21 May 2018

Revised Date: 14 September 2018

Accepted Date: 17 September 2018

Please cite this article as: Pinheiro, P.L., Recous, S., Dietrich, G., Weiler, D.A., Giovelli, R.L., Mezzalira, A.P., Giacomini, Sandro.José., Straw removal reduces the mulch physical barrier and ammonia volatilization after urea application in sugarcane, *Atmospheric Environment* (2018), doi: <https://doi.org/10.1016/j.atmosenv.2018.09.031>.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

1 **Straw removal reduces the mulch physical barrier and ammonia volatilization after urea**
2 **application in sugarcane**

3

4 Patrick Leal Pinheiro^a, Sylvie Recous^b, Guilherme Dietrich^a, Douglas Adams Weiler^a, Roberta Lago

5 Giovelli^a, Ana Paula Mezzalira^a, Sandro José Giacomini^{a*}

6 ^aDepartment of Soils, Federal University of Santa Maria, 97105-900 Santa Maria, RS, Brazil

7 ^bFARE laboratory, INRA, Université Reims-Champagne Ardenne, 51000 Reims, France

8

9 * Corresponding author:

10 Phone: +55 55 32208108

11 Fax: +55 55 32208256

12 E-mail correspondent author: sjgiacomini@gmail.com

13

14 *Acknowledgements*

15 This work was supported by the Brazilian government through the Conselho Nacional de
16 Desenvolvimento Científico e Tecnológico (CNPq). The bilateral Brazil-France collaboration was funded
17 under Program CNPq-Ciência sem Fronteiras, Process Number 208415/2017-3, and Institut National de
18 la Recherche Agronomique (INRA) - Environment & Agronomy Division during Pinheiro's leave at
19 UMR FARE in Reims, France.

20

21

22

23

24

25

26

Download English Version:

<https://daneshyari.com/en/article/11025060>

Download Persian Version:

<https://daneshyari.com/article/11025060>

[Daneshyari.com](https://daneshyari.com)