

Welcome Niklaus Ammann



My F1000 Biology | Browse the Faculties | Top 10s | Advanced Search | My Details | About | Faculty Member List | Compose Evaluation



F1000 Factor 3.0

EndNote

Influence of Planting Date on Aflatoxin Accumulation in Bt, non-Bt, and Tropical non-Bt Hybrids.

Wiatrak PJ, Wright DL, Marois JJ, Wilson D

Agron J 2005 **97**: 440-445 [[order article](#)]

Selected by | Niklaus Ammann

Evaluated 9 Jan 2006

[Relevant Sections](#)

Faculty Comments

Faculty Member

Niklaus Ammann

University of Berne, Switzerland

PLANT BIOLOGY



New Finding

Comments

Aflatoxin, which is produced by the fungus *Aspergillus flavus*, is known to accumulate in maize in response to high temperatures, water stress, and insect damage. Aflatoxin content with its cancerogeneous effect, will in future be a major factor in the safety and health evaluation of maize: data up to now show a clear advantage against aflatoxin accumulation for maize containing the Bt transgene, but these authors now show an additional improvement with later planting date. The authors measured levels of aflatoxin contamination in tropical and non-tropical Bt and non-Bt strains of maize and present evidence suggesting that toxin accumulation is decreased when planting date is later. They also confirm that transgenic Bt maize accumulates less toxin than non-Bt strains, perhaps owing to reduced insect damage, but that the reduction is greater in non-tropical, vs. tropical strains. For the abstract of this paper, please see <http://agron.scijournals.org/cgi/content/abstract/97/2/440>

Evaluated 9 Jan 2006

[How to cite this evaluation](#)

Faculty Comments

How to cite the Faculty of 1000 Biology evaluation(s) for this paper

1) To cite all the evaluations for this article:

Faculty of 1000 Biology: evaluations for Wiatrak PJ et al *Agron J* 2005 97 : 440-445 <http://www.f1000biology.com/article/id/1029271/evaluation>

2) To cite an evaluation by a specific Faculty member:

Niklaus Ammann: Faculty of 1000 Biology, 9 Jan 2006 <http://www.f1000biology.com/article/id/1029271/evaluation>

© 1999-2007 Biology Reports Ltd unless otherwise stated < info@f1000biology.com > Terms and conditions