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Czech J. Food Sci.

G. Galaverna, C. Dall'Asta, M. Mangia, A.

Dossena, R. Marchetti. Masked Mycotoxins: an Emerging Issue for Food Safety

Czech J. Food Sci., 27 (2009): S89-S92

The presence of masked or hidden forms of *Fusarium* mycotoxins (deoxynivalenol, DON, zearalenone, ZEN and fumonisins B1, B2 and B3) were studied in wheat and maize derived products. Significant amounts of these forms were found both in raw and in processed food commodities. Deoxynivalenol-3-glucoside was found in wheat products up to 30% of DON concentration. Bound forms of fumonisins often account for an equal or even higher amount in comparison with the free forms.

Keywords:

masked mycotoxins; *Fusarium* toxins; maize; wheat; malting

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