Mycotoxin Prevention and Control in Agriculture: ACS Symposium Series

Mycotoxin Prevention and Control in Agriculture (ACS Symposium Series) 1383-1384

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In Mycotoxin Prevention and Control in Agriculture, D. Baruah examines several key issues associated with the production, control, and prevention of aflatoxins and other mycotoxins. The book provides a comprehensive overview of the latest research in the field, with a particular focus on developing innovative techniques for the prevention and control of aflatoxins.

The incidence of aflatoxins in foods and feeds is a significant concern for public health and food safety. Aflatoxin is produced by the mold Aspergillus flavus, which can contaminate a variety of food crops, including corn, peanuts, and seafood. Aflatoxin exposure can cause liver damage and can be carcinogenic in humans, making the control and prevention of aflatoxin contamination a critical concern.

The book begins with an introduction to the production, detection, and control of aflatoxins, followed by chapters on the epidemiology of aflatoxicosis, the risk assessment of aflatoxins, and the prevention and control of aflatoxins in food and feed. The book also includes chapters on the management of aflatoxin-contaminated crops, the role of mycotoxins in the food supply chain, and the economic impact of aflatoxins.

Among the topics covered in the book are:

- The production, detection, and control of aflatoxins
- The epidemiology of aflatoxicosis
- The risk assessment of aflatoxins
- The prevention and control of aflatoxins in food and feed
- The management of aflatoxin-contaminated crops
- The role of mycotoxins in the food supply chain
- The economic impact of aflatoxins

The book is intended for researchers, practitioners, and policymakers who are involved in the prevention and control of aflatoxins, as well as for students and researchers in related fields.

Mycotoxin Prevention and Control in Agriculture is an essential resource for anyone interested in the prevention and control of aflatoxins and other mycotoxins in the food and feed supply chain.

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A detailed look at the important issues affecting the agricultural and food industries today. Full colour throughout.