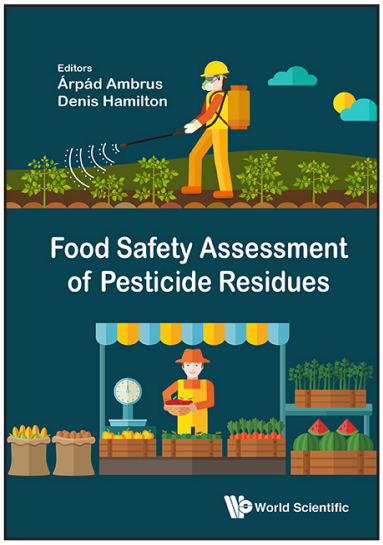
FOOD SAFETY ASSESSMENT OF PESTICIDE RESIDUES

Edited by **Árpád Ambrus** (*National Food Chain Safety Office, Hungary*) & **Denis Hamilton**



Description:
Pesticides are now accepted as an integral part of modern agricultural production. This book provides analysis of the steps taken by national and international bodies working towards a cohesive global strategy for evaluating the safety of residues in food that result from approved pesticide uses. Also described is the role of the UN Food and Agriculture Organization (FAO), World Health Organization (WHO) and Codex Alimentarius in developing standards that protect the health of the consumers and ensure fair practices in the food trade. It goes on to look at the promotion of good agricultural practice in the use of pesticides and the need for control in their practical use. These include sampling, testing the compliance of marketed products against legal limits and verifying the effectiveness of the safety-based regulatory measures.

This is a specialist book for those looking to go into the field of international food safety, for students and lecturers studying the topic, for policy makers working on public health and agricultural issues, and personnel responsible for taking samples and performing the analysis of pesticide formulations and residues.

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Contents:

- Introduction to Dietary Risk Assessment of Pesticides
- OECD Guidance Documents and Test Guidelines
- Principles of Safety Assessment of Pesticides at National Level
- Evaluation of Pesticide Residues by FAO/WHO JMPR
- Towards a Harmonized Food Consumption Survey Methodology for Exposure Assessment
- Dietary Exposure and Risk Characterization for Pesticide Residues in Food
- Importance of Codex Maximum Residue Limits for Pesticides for the Health of Consumers and International Trade
- Pesticide Specifications and their Methods for Analysis and Testing
- Theory and Practice of Sampling for Pesticide Residues in Foods
- Estimation of Uncertainty of Measured Residues and Testing Compliance with MRLs
- Principles of Control of Small Scale Production of Fruits and Vegetables and Planning Risk Based Monitoring Programmes
- Future Directions

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