



## Carcinogenicity and Pesticides

### Principles, Issues, and Relationships

**Just published!** A current perspective on the relationship between pesticides and cancer. A first-of-its-kind approach, this volume summarizes the latest thinking on the pesticides-carcinogenesis relationship, seen in the light of new findings in cancer research.

In a blend of theoretical and practical information, this timely work examines the process of carcinogenesis itself and society's attempts to strike a balance between increased agricultural productivity and the risk of cancer. Beginning with an overview that puts the topic in a historical perspective, *Carcinogenicity and Pesticides* unfolds to target key issues such as:

- the uncertainty of data interpretation in predicting whether a pesticide will cause cancer in humans
- external factors that affect carcinogenesis
- mechanisms of chemical carcinogenicity
- structure-activity relationships
- risk assessment
- epidemiology of cancer and pesticide exposure

Bruce Ames, originator of the Ames Test for carcinogenicity, concludes the book with a thoughtful discussion on current research findings and how they relate to decisions concerning widespread use of pesticides in society.

If you are a scientist, policy maker, or regulator concerned with the effects of pesticides on the environment, you'll find *Carcinogenicity and Pesticides* a valuable synthesis of contemporary thinking on a topic of critical importance.

**Nancy N. Ragsdale**, Editor, U.S. Department of Agriculture

**Robert E. Menzer**, Editor, University of Maryland

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Cover: Based on apohemoglobin β subunit—courtesy of Jane S. Richardson.

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