

## Preface

This manual provides information for the Arkansas commercial pesticide applicator wishing to become certified in Food Manufacturing, Processing and Storage Pest Control – Classification 7. To become a certified applicator in this category, a candidate must pass both a general standards exam and pass an examination based primarily on the material presented in this manual and (Circular 6) Arkansas Pest Control Law (Act 488 of 1975, as amended). Information covered in the general standards examination is contained in *A Guide for Private and Commercial Applicators: Applying Pesticides Correctly*. Refer to (Circular 6) Arkansas Pest Control Law (Act 488 of 1975, as amended) for specific requirements. The Arkansas State Plant Board administers the examinations. Up-to-date study materials can be obtained from the Arkansas State Plant Board, #1 Natural Resources Drive (P.O. Box 1069), Little Rock, AR 72203-1069, phone (501) 225-1598. Additional study information may be obtained from the University of Arkansas Cooperative Extension Service, the pesticide label, current publications on the subject, pesticide distributors and manufacturers.

## Acknowledgments

Information accumulates from direct observations, scientific literature and anecdotes from others. Information from these sources blurs together quickly, and consequently, unique ideas are rare in society. Credit for sources of information on urban pest control and management must go to Land Grant University Extension and research workers, most of whom are entomologists, who pioneered this work, those who kept training and research alive during the period when the success of synthetic organic pesticides preempted nearly all but control evaluations from the 1940s to the 1960s, and those who persist today; Pest Control Industry workers who held training sessions nationally, regionally and locally where information was disseminated among the experienced and provided to the inexperienced; Environmental Protection Agency personnel who molded modern training and influenced the need for national uniformity in training requirements; state regulatory personnel who cooperated with universities and industry and who strongly emphasized the importance of training; and the few textbook authors in the United States and England who compiled the reference data in the understandable and usable form that allows urban pest management practitioners to be professionals.

Portions of this manual have been adapted from commercial applicator certification training manuals for general pest control developed by the Oklahoma Cooperative Extension Service, Division of Agricultural Sciences and Natural Resources, Oklahoma State University; Texas Agricultural Extension Service, the Texas A&M University System; and University of Nebraska Cooperative Extension, University of Nebraska-Lincoln. Also, special thanks go to Dr. Jim T. Criswell and Dr. Melinda Crockett, Oklahoma State University, Oklahoma Cooperative Extensive Service; Dr. Don L. Renchie (Texas Cooperative Extension); Dr. Grady J. Glenn (Center for Urban and Structural Entomology), Texas A&M University System; and Dr. Clyde L. Ogg, Extension Educator-Pesticide Education, University of Nebraska Cooperative Extension.

Specific acknowledgments should go to the anonymous biological illustrators who graphically render pest and beneficial animals where photographs fail.

The pesticide information presented in this publication was current with federal and state regulations at the time of printing. The user is responsible for determining that the intended use is consistent with the label of the product being used. Use pesticides safely. Read and follow label directions. The information given herein is for educational purposes only. Reference to commercial products or trade names is made with the understanding that no discrimination is intended and no endorsement by the Cooperative Extension Service is implied.