

GEORGIA PEST MANAGEMENT HANDBOOK

2026–2027 HOME AND GARDEN EDITION

SPECIAL BULLETIN 48

Contributing Authors:

AGRICULTURE AND NATURAL RESOURCES AGENT

Braxten Crews
Carsen Dean

ANIMAL & DAIRY SCIENCES

Gary Burtle

CROP & SOIL SCIENCE

Stanley Culpepper
Gary Hawkins
Benjamin Pritchard
Jenna Vance

ENTOMOLOGY

Brett Blaauw
Keith Delaplane
Elmer Gray

Nancy Hinkle

Glen Rains

Alton Sparks

Dan Suiter

John All

Shimat Joseph

FORESTRY & NATURAL RESOURCES

James Shelton
Wesley Gerrin

HORTICULTURE

Mark Czarnota

PLANT PATHOLOGY

Bhabesh Dutta
Alfredo Martinez-Espinoza
Jonathan Oliver
Daniela Gutierrez Yanez
Jean Williams-Woodward

Editors:

Victoria McCurley, University of Georgia College of Agricultural and Environmental Sciences
Publications Production Coordinator

Allison Johnson, University of Georgia Pesticide Safety Education Program Coordinator

Published by University of Georgia Cooperative Extension

The Georgia Pest Management Handbook: Home & Garden Edition is updated biennially. When purchasing a product based on a first-year recommendation of the Handbook, check the current product label before purchase to be sure it is still labeled for the use for which you are buying it. For pesticide products you have on hand from earlier purchases, you are allowed to use them until they are depleted without penalty under the law. Always follow label instructions before use. Contact the product's manufacturer for the most up-to-date label.

The Georgia Pest Management Handbook—2026–2027 Home & Garden Edition provides current information on selection, application, and safe use of pest control chemicals. This handbook has recommendations for pest control around homes and on pets, for pests of home garden vegetables, fruits and ornamentals, and for pests of public health interest associated with our homes. Cultural, biological, physical, and other types of control are recommended where appropriate.

Additional information on controlling insects, plant diseases, and weeds is available in bulletins and circulars published by UGA Cooperative Extension. Your county agent will provide recommendations upon request. Free publications are also available at fieldreport.caes.uga.edu/publications/.

Pesticide recommendations are based on information on the manufacturer labels and on performance data from research and Extension trials at the University of Georgia and sister institutions. Because environmental conditions, the severity of pest pressure, and methods of application vary widely, recommendations do not imply that performance of pesticides will always be acceptable.

This publication is intended to be used only as a guide. Trade and brand names are used only for information. The University of Georgia does not guarantee nor warrant published standards on any product mentioned; nor does the use of a trade or brand name imply approval of any product to the exclusion of others which may also be suitable. Always follow the use instructions and precautions on the pesticide label. For questions, concerns, or improvement suggestions regarding the *Georgia Pest Management Handbook*, please contact your county agent.

PRINTED COPIES ARE AVAILABLE FOR \$20. Visit us online at ipm.uga.edu/georgia-pest-management-handbook/ or call (706) 542-5783 for information on how to order. Online orders can be made at ugaextensionstore.com. Delivery by UPS will occur 7–14 business days from when the order is processed. Please provide a physical address for shipping, as UPS does not deliver to P.O. boxes. Sales of books and data are considered final. Materials returned due to damage in shipping will be replaced. To download an electronic version, visit us online at ipm.uga.edu.

CONTENTS

PESTICIDE EMERGENCIES	5	HOME FUNGICIDE GUIDE	76
IMPORTANT CONTACTS	7	HOUSEHOLD AND STORED PRODUCTS	
FREQUENTLY ASKED QUESTIONS	9	Household and Structural Insect Control	79
ATTENTION: PESTICIDE PRECAUTIONS	11	Household Pesticide Dilution Table	83
ABBREVIATIONS AND EQUIVALENTS	12	HUMANS	
SUBMITTING SPECIMENS FOR IDENTIFICATION: COLLECTION, PREPARATION, AND SHIPMENT	14	Public Health Insect Control Outdoors and Parasites of Humans	89
PESTICIDE SAFETY AND OTHER PESTICIDE INFORMATION		ORGANIC STRATEGIES FOR THE GARDEN AND HOME LANDSCAPE	99
Use Pesticides Safely	16	ORNAMENTALS	
Protect Honey Bees from Pesticides	17	Insect Control for Home Flowers, Shrubs, and Ground Covers	103
Determining Pesticide Amount for Backpack Sprayers (per 1,000 Square Feet)	17	Home Indoor Plant Insect Control	106
Calibrating Turfgrass Sprayers (Gallons per 1,000 Square Feet)	19	Herbaceous Ornamentals: Home Outdoor Insect Control	107
Hand Sprayer Calibration for Ornamentals and Turf	20	Weed Control for Homeowners: Annual Flowers and Perennials	109
ANIMALS		Weed Control for Homeowners: Woody Ornamentals	110
Pets (Companion Animals) External Parasite Control	22	Ornamentals: Weed Response to Herbicides	113
Flea Control Products	23	Home Ornamental and Tree Disease Control	116
Honey Bee Disease and Pest Control	27	TURF	
AQUATIC ENVIRONMENTS		Home Turf Insect Control	128
Chemicals for Treatment of Parasites and Fish Diseases	31	Home Turf Disease Control	130
Herbicides for Aquatic Vegetation Control	32	Turfgrass Weed Control for Homes	135
Biological Controls for Aquatic Vegetation	37	Turfgrass Herbicides Commonly Found in Retail Lawn and Garden Stores/Centers	138
Fish Kill Diagnostics	38	Turfgrass Weed Response to Herbicides: Home Products	140
Aquatic Vegetation Control Post-Treatment Water Use Restrictions	39	VEGETABLES	
Calculating Pesticide Concentrations in Aquatic Situations	40	Home Vegetable Insect Control	142
HOME ORCHARD		Home Vegetable Disease Control	151
Home Orchard Disease and Pest Management Guide Preface	41	Weed Control in Home Vegetable Gardens	159
Home Apple and Pear (Pome Fruit) Disease and Insect Guide	43	VERTEBRATE PEST CONTROL	
Home Blueberry Disease and Insect Guide	49	Mammals	163
Home Bramble Disease and Insect Guide	53	Repellents for Deer, Rabbits, and Other Mammals	166
Home Bunch Grape Disease and Insect Guide	55	Reptiles, Amphibians, and Birds	167
Home Orchard Muscadine Grape Disease and Insect Guide	59		
Home Peach, Plum, and Nectarine (Stone Fruit) Disease and Insect Guide	62		
Home Strawberry Disease and Insect Guide	66		
Home Fruit Insecticide Effectiveness Chart	70		