

Use pesticides **only** according to directions on the label. Follow all directions, precautions, and restrictions that are listed. Do not use pesticides on crops that are not listed on the label.

The pesticide rates in this publication are recommended only if they are registered with the Environmental Protection Agency or Alabama Department of Agriculture and Industries. If a registration is changed or cancelled, the rate listed here is no longer recommended. Before you apply any pesticide, check with your local Extension agent for the latest information.

Trade names, indicated in the crops sections by all capital letters, are used only to give specific information. The Alabama Cooperative Extension System does not endorse or guarantee any product and does not recommend one product instead of another that might be similar.

Abbreviations

A.....acre(s)	kgkilogram(s)	psi pounds per square inch
a.i.active ingredient	Lliquid	pt.pint(s)
ASaqueous suspension	lb.pound(s)	qt.quart(s)
bu.bushel(s)	LCliquid concentrate	RWArope wick applicator
cu. ft.cubic foot (feet)	LDlethal dose	Ssprayable
cwthundredweight	mgmilligram(s)	SL sprayable liquid
DF.....dry flowable	min.minute(s)	SPsoluble powder
Eemulsifiable	mlmilliliter(s)	sq. ft.square foot (feet)
ECemulsifiable concentrate	oz.ounce(s)	t.teaspoon(s)
Fflowable	PDS ...postemergence directed spray	T.tablespoon(s)
F..... Fahrenheit	POST.....postemergence	Wwetable
fl. oz.fluid ounce(s)	POT.....postemergence over-the-top	WDGwater dispersible granules
ft.foot (feet)	PPIpreplant incorporated	WPwetable powder
Ggranule	ppmparts per million	<less than
gal.gallon(s)	PREpreemergence	>more than

Alabama Poison Control Centers

City	Name and Address	Phone
Birmingham	Regional Poison Control Center of The Children's Hospital of Alabama* 1600 7th Avenue South, 35233	1-800-292-6678**
Tuscaloosa	Alabama Poison Center* 2503 Phoenix Drive, 35405	1-800-462-0800**

*Designated as Poison Control Center by State Committee of Public Health

**Toll-free from anywhere in Alabama

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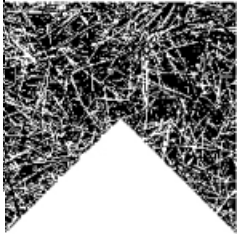
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IPM

Introduction



Alabama Pest Management Handbook for 2013

The *Alabama Pest Management Handbook—Volume 1* contains recommendations for major row crops; small and stored grains; pastures and forage crops; commercial turfgrass; and noncropland. It was compiled by both current and former Extension entomologists, plant pathologists, weed scientists, and a pesticide education specialist and provides the most recent information possible on the selection, rates, application, and safe and proper use of pesticides. A directory of the specialists who authored sections in this notebook is included.

Since the status of pesticides is constantly changing, some that are currently listed in this volume of the Alabama Pest Management Handbook may no longer be legal. Also, some recently labeled pesticides may not yet be included in this volume. For these reasons, anyone preparing to use a pesticide should always consult the current pesticide label on the container before application.

Chemicals are listed both by common names (lowercase letters) and by trade names (all capital letters). Some chemicals are available only under trade names and, therefore, their common names may be omitted because of space restrictions. The presence or absence of any particular trade name in no way indicates endorsement or discrimination on the part of the Alabama Cooperative Extension System.

Recommended uses of pesticides are based on research, field trials, demonstrations, and experience. Because of variations in environmental conditions and methods of application, these recommendations do not assure that your results will always be the same as those obtained in research.

The label on every pesticide container presents information that is essential to safe and proper use, handling, and storage of the pesticide. Users are responsible for adhering to label information and should always review it thoroughly before applying the pesticide. Applying rates that exceed the recommendations or shortening the waiting period from application to harvest or grazing can cause excessive residues that are illegal according to state and federal regulations.

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The main contributors for each section of the handbook are listed below. If you have any comments or questions about any section, please contact the specialists responsible for that section.

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