

# Agricultural Chemical Management For Environmental Quality

## Table Of Contents

### **Agricultural Considerations Preserving Environmental Quality**

Primary Environmental Concerns In Alabama  
Results Of A National Pesticide Survey

### **Fertilizer Application**

#### **Soil Testing**

Soil Testing Can Help The Rural Environment

#### **Organic Fertilizers**

Using Sewage Sludge As Fertilizer

Land Application Of Sludge

Using Livestock Manure As Fertilizer

Calibrating Spreaders For The Application Of  
Animal And Poultry Manure

#### **Mineral Fertilizers**

Calibrating Dry Broadcast Fertilizer Applicators

Fertilizer Applicator Calibration (Drop-Type)

### **Pesticide Safety**

The Pesticide Label

An Explanation Of Material Safety Data Sheets

Concerns When Mixing And Loading Chemicals

Pesticide Mixing And Loading Considerations

Design Specifications For Chemical Containment And  
Mixing/Loading Pad Requirements

Constructing An Inexpensive Agricultural  
Chemical Rinse Pad

Portable Containment System

Care Of Clothing Worn During Pesticide Application

Pesticide Handling And Storage Safety

Proper Pesticide Storage

Proper Cleanup For Pesticide Spills

Alabama Pesticide Container Disposal Program

### **Groundwater Protection**

Fate Of Pesticides In Soils And Waters

Protecting Groundwater From Pesticides

Protecting Rural Wells From Contamination

Regulations Of Underground Storage Tanks

Located On Farms

Decontamination Of Soil By Aeration

### **Food And Feed**

Food And Feed Safety Considerations In  
Agricultural Chemical Application

### **Equipment Calibration**

Equipment And Calibration For Low-Pressure  
Ground Sprayers

Orchard Spraying With An Air-Blast Sprayer

### **Environmental Laws**

Environmental Regulations Affecting  
Land Use In Alabama

### **Homeowner Considerations**

#### **Soil Testing**

Soil Testing Can Help The Urban Environment

#### **Fertilizer Use**

Fertilizer Basics For Home Grounds

Calibrating Your Home Fertilizer Equipment

#### **Pest Identification And Control**

Insect Specimens For Identification And Analysis

How To Use Homeowner Pesticides Properly

Calibrating A Manual Sprayer

#### **Household Chemicals**

Hazardous Material Storage In The Home

Disposal Of Household Chemical Wastes

#### **Landscaping**

Landscape Plant Selection For Reduced Fertilizer  
And Pesticide Use

Correct Installation And Establishment Of  
Ornamental Plants

### **Media Releases**