

# Best Management Practices for Georgia Agriculture

Conservation Practices to Protect Surface Water Quality

Georgia Soil & Water Conservation Commission Athens, GA www.gaswcc.georgia.gov



# Best Management Practices for Georgia Agriculture

# Conservation Practices to Protect Surface Water Quality

Second Edition

#### Developed by:

The Georgia Soil & Water Conservation Commission

The Georgia Soil & Water Conservation Commission would like to thank everyone that originally provided information and comments for this manual. The following agencies and organizations were represented on the steering committee for this manual.

Georgia Agribusiness Council Georgia Association of Conservation District Supervisors Georgia Cattlemen's Association Georgia Conservancy Georgia Department of Agriculture Georgia Environmental Protection Division, Coastal Division Georgia Farm Bureau Georgia Forestry Commission Georgia Peanut Commission Georgia Poultry Federation The Nature Conservancy U.S. Environmental Protection Agency, Region 4 USDA Farm Service Agency, Georgia Office USDA Natural Resources Conservation Service, Georgia Office University of Georgia College of Agricultural & Environmental Sciences-Cooperative Extension Service

September 2013

#### COMPILED BY:

Carrie Lynn P. Fowler Georgia Soil & Water Conservation Commission

#### **DESIGNED BY:**

## **Georgia Soil & Water Conservation Commission**

Brent L. Dykes, Executive Director

William R. Fulmer, Rural Water Resources Program Manager

P.O. Box 8024 4310 Lexington Road Athens, Georgia 30603 Telephone: 706-552-4470

Fax: 706-552-4484

www.gaswcc.georgia.gov Email: director@gaswcc.org

# TABLE OF CONTENTS

Acronyms		<u>iv</u>
Chapter 1.	Introduction	
Purpose of the Manual Best Management Practices Index Nonpoint Source Pollution & Control Chart Practice Definitions & Other Important Terminology		1.1 1.3 1.5 1.6
Chapter 2.	Best Management Practice Planning	
Section 2 Section 3 Section 4 Mi Section 8 Section 6	1: Plan to Manage and Manage to Plan 2: Nutrient Management Planning for Your Farm 3: General Farm Management Planning 4: Animal Waste Management Planning 5: Irrigation Water Management Planning 6: Row Crop Management Planning 7: Wetlands & Stream Protection Management Planning	2.1 2.3 2.5 2.13 2.16 2.42 2.51 2.78
Chapter 3.	Additional Information	
Georgia Agricultural Organizations Information Georgia State Agencies Information Federal Agencies Information Pesticide Handling, Disposal & Emergency Information Pesticide Online Information For Additional Information Mandatory Federal BMPs for Roads in Wetlands		3.1 3.2 3.3 3.4 3.5 3.6 3.7

## **ACRONYMS**

#### **AFO**

**Animal Feeding Operation** 

#### **BMP**

Best Management Practice

#### **CAFO**

Concentrated Animal Feeding Operation

#### **CNMP**

Comprehensive Nutrient Management Plan

#### **EPA**

**Environmental Protection Agency** 

#### **EQIP**

**Environmental Quality Incentives Program** 

#### **GAEPD**

Georgia Environmental Protection Division

#### **GFC**

Georgia Forestry Commission

#### GDA

Georgia Department of Agriculture

#### **IPM**

Integrated Pest Management

#### **NMP**

Nutrient Management Plan

#### **NPS**

Nonpoint Source (Pollution)

#### SWCD

Soil & Water Conservation District

#### **UGA CES**

University of Georgia Cooperative Extension Service

#### **USDA FSA**

Farm Service Agency

#### **USDA NRCS**

Natural Resources Conservation Service