



FERTILIZER

•Pesticides and fertilizer can be washed off of crops and out of soils to contaminate surface and ground water.

PESTICIDES

•Erosion of crop lands allows soil, fertilizer and pesticides to get into streams and ground water.

Non-Acceptable

Acceptable

ACCEPTABLE NOT ACCEPTABLE

The Result

The Result Of Recycling and best management practice training will lead to water quality for our streams and lakes throughout Alabama

Alabama Farm *A*Syst Program



Alabama Cooperative Extension System and Auburn University

Dr. Jesse LaPrade, Extension Environmental and Farm Safety Specialist

Overview

Summary: All education materials for this program have been written, finalized, and printed. The Alabama Cooperative Extension System world wide web-site will host the training materials by the first quarter of 2003. All twelve program volunteer county personal that will be conducting the research component and all county personal that will participate in the training activities will begin in January, 2003. The twelve volunteer county programs and their personal were trained on program delivery on August 28, 2002. An Extension Team Project has been designed and approved for any county that wants to participate in training activities for calendar year 2003 and beyond.

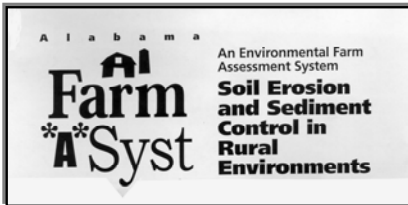
Publications Written and Printed:

- 1.) *Alabama Farm *A*Syst - An Environmental Farm Assessment System for Pesticide Management Practices in Agriculture*
- 2.) *Alabama Farm *A*Syst - An Environmental Farm Assessment System for Animal Waste Used in Crop and Forage Production*
- 3.) *Alabama Farm *A*Syst - An Environmental Farm Assessment System for Soil Erosion and Sediment Control in Rural Environments*

Impact: Information gathered on the effectiveness of three different delivery methods for the Alabama Farm *A*Syst program will help agricultural environmental educators nationwide, determine the most cost-effective and results-oriented delivery technique. The three delivery methods are:

- Dedicated and trained county staff
- Trained volunteers
- Self help

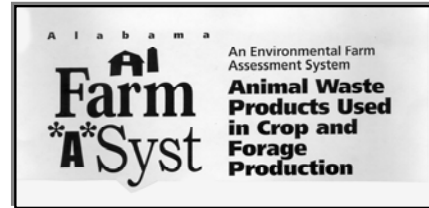
Practically every Land-Grant University in the United States conducts similar training coordinated through the National Farm *A*Syst and Home *A*Syst Program based at the University of Wisconsin.



Management practices

EROSION CONTROL- soil conservation
no-till on sandy soils can enhance movement

RUNOFF AND SEDIMENT CONTROL
buffer zones or filter strips between fields and streams
do not plow right up to drainage ditches



Farming

Livestock wastes exposed to rain can wash into creeks. Pesticides and fertilizer can be washed off of crops and out of soils to contaminate streams. Erosion of crop lands allows soil, fertilizer and pesticides to get into our streams.



Field Demonstration and Training



The Tennessee River at I-65 bridge showing algae blooms around the banks.

Proof of Nutrient Enrichment from poultry waste and fertilizer in the Tennessee Valley of Alabama.

Flint Creek enters the Tennessee River to your lower left.