

# IFAS Information Technologies

## Current Projects - Software Systems Group

March 18, 1999

Below is an abbreviated list of the projects currently under development.

Project	Impact	Funding Source
IFAS Pest Management Guides	Object-Database software purchased, On-line data entry forms for Pest Management Guides for use by extension specialists and county agents.	USDA Grant awarded to IT and EMS
EDIS Web Site	New Web-interface and search engine for EDIS	USDA (Spinoff)
EDIS Publications Editing System	New system for creation and maintenance of IFAS publications.	USDA (Spinoff)
BioCD-ROM Multimedia Project	Multimedia interface for extension publications, teaching.	Forestry - USDA
Digital Distance Diagnostics System	Group collaboration for transmission of digital pest images, identification, and tie into management guides	IFAS Administration (Hardware)
Faculty Annual Report/Accountability Project	Data entry forms, report generation for faculty annual reports, counties and on-campus faculty.	IFAS Administration

All projects are based on a common software architecture for ease of development and maintenance. The key components of this architecture include:

1. Object-Oriented database management system provides enterprise-wide data storage and management capabilities of all IFAS information.
2. Java programming language used to develop all applications in a uniform, industry standard language.
3. CORBA communications protocol allows applications to be distributed statewide, so that all tools are put directly into the hands of faculty members who collaborate and share information over the Internet.

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*4/14/1999*