



## CERTIFIED CROP ADVISER

### Continuing Education Categories

#### **Nutrient Management**

Soil fertility

Plant nutrition

Integrating nutrient management between crop and animal systems

Compliance with government regulations and programs

Economic considerations for nutrient management planning

Security and safety in sales, storage and handling of nutrients

Nutrient sources

Nutrient application and placement systems

Nutrient management in organic production

#### **Soil and Water Management**

Effect of soil health, physical, chemical and biological properties of soils on management practices

Characterization of soils and landscapes

Governmental and agency air and water-quality standards and regulations

Managing soil-plant-water relationships

Applying land-use capability and soil productivity information

Water management

Managing soil degradation

Agricultural ecosystems policy

#### **Pest Management**

Integrated pest management for conventional and organic cropping systems

Pest management decision-making skills

Application technologies in pest management

Pest management in non-field crop systems

Safety and environmental aspects of crop protectants

Emerging Pest Management

#### **Crop Management**

Crop biology, biotechnology, physiology, and morphology

Innovative and emerging crop management tools

Crop management decision-making skills

Cropping systems management

Crop production equipment and use

Economic considerations

### **Professional Development**

Applications of ethics to crop advising

Crop advising business and legal issues

Technology applications for crop advising

Business applications

- a. Business planning, budgeting, and financial analysis
- b. Land, labor, and capital management
- c. Developing marketing plans for crop advising products and services
- d. Time management
- e. Safety / WPS training

Economic issues in agriculture

Communications/leadership/interpersonal skills

### **Sustainability**

Communicating Sustainability

Environmental and Resource Stewardship

Value Chain

### **Precision Agriculture**

Data Collection, Tools, and Technology - Spatial and Temporal Data

Tools and Sources of Information

Data Analysis and Recommendations

Communication, Evaluation and Adjustment

On-Farm Evaluations (Trials and Field Surveys)