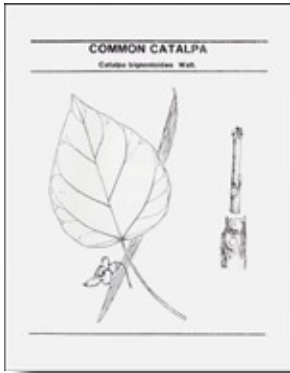




Forestry

Transparencies.....



T780

Forest Tree Identification, 92 fr.

Price: \$62.25

Over 90 native forest species are illustrated with leaf, flower and/or fruit, and leaf arrangement characteristics. An enlarged twig illustration shows terminal buds and leaf scars in sufficient detail to teach identification features.

CD-ROMS



CD1008

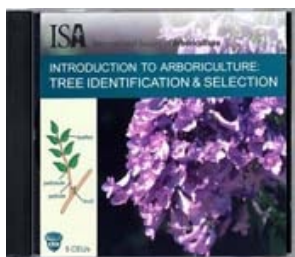
Introduction to Arboriculture Series

Price: \$69.95

These interactive CD-ROMs were developed as an educational resource for arborists. In the horticulture or forestry classroom, they will have the same benefits.

1. Instructional strategies that simulate job tasks
2. A high level of interactivity
3. Self-paced instruction (can accommodate multiple users)
4. Emphasis on visuals, including video and other graphics
5. Digital audio that enhances text
 - A system of instant feedback that engages the learner
6. Quiz questions
7. Glossary of key terms with definitions and pronunciations

CD1008 Pruning contains lessons on how to prune trees for tree health and human safety. Lesson one introduces the principles of pruning. Lesson two covers practices and strategies.



CD1009

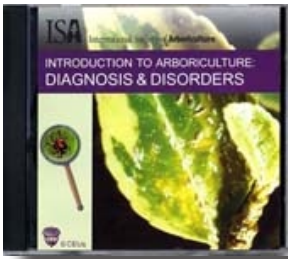
Introduction to Arboriculture: Tree Identification and Selection

Price: \$69.95

Tree Identification and Selection has these objectives:

1. Understand how all plants are classified and how scientific names are based on the classification system.
2. Explain what scientific names are, why they are used, and how they are written.
3. Explain how plant characteristics, such as growth habit, texture, and color, can be used in tree identification.
4. Describe how leaf arrangement is used to help identify trees.
5. Become familiar with the various leaf shapes and types of leaf margins, bases, and apices.
6. Learn to use bud and twig characteristics to identify trees without leaves.

Agronomy



CD1010
Diagnosis and Disorders
Price: \$69.95

Objectives:

1. Understand the principles of a systematic approach to the plant diagnostic process.
2. Explain how stress can weaken a tree, predisposing it to secondary problems.
3. Learn to recognize the signs and symptoms of tree disorders.

There are three lessons on this CD. Lesson one is on general diagnosis. Lesson two is on abiotic disorders. Lesson three is on biotic disorders.



CD1011
Planting and Early Care
Price: \$69.95

Objectives:

Planting

1. Learn the techniques and procedures used to plant trees.
2. Understand how using proper techniques can improve survival and accelerate establishment.
3. Be familiar with the various types of nursery stock.
4. Understand that each stock has its advantages, limitations, and proper planting techniques.

Early Care

1. Understand the special requirements of newly transplanted trees and become familiar with early-care procedures.
2. Understand the nutrient requirements of newly planted trees and learn which types of fertilizers are acceptable and which could be potentially detrimental to an establishing tree.
3. Understand the benefits associated with proper mulching techniques.
4. Learn the techniques used for, as well as the advantages and disadvantages of, staking or guying newly planted trees.
5. Learn how to prune a newly planted tree and how to train a young tree to develop a strong branch structure.
6. Become familiar with which information should be included when writing or accepting written planting specifications.



CD1012
Tree Maintenance
Price: \$69.95

This CD contains three major sections: tree support systems, fertilization, and lightning protection systems.

Tree Support Systems

1. Determine when a tree might be helped by the installation of cables, guys, or bracing rods.
2. Discuss the limitations of cabling and bracing systems.
3. Explain the different ways trees can be cabled, braced, or guyed.
4. Illustrate the techniques and materials used for cabling and bracing.
5. Recognize the fact that trees that have been cabled, braced, or guyed should be inspected periodically to ensure proper functioning of the tree support system.

Fertilization

1. Become familiar with the essential elements that trees require and how these elements are absorbed.
2. Understand the rationale for fertilizing urban trees.
3. Explain the advantages and disadvantages of some fertilizers.
4. Describe the different methods of fertilizer application and the advantages and disadvantages of each.
5. Discuss the problems that can be associated with excessive fertilization and leaching.
6. Explain why determining nutritional requirements and availability is the first step prior to developing fertilization recommendations.

Agronomy

Lightning Protection Systems

1. Discuss the basic principles of lightning-strike physics.
2. Present the circumstances under which a lightning protection system may be recommended for trees.
3. Discuss the probability of lightning damage to trees based on their size, species, and location.
4. Describe the design of a basic lightning protection system and some of the installation procedures.
5. Understand the limitations of tree lightning protection systems.

System requirements for CD1008, CD1009, CD1010, CD1011, and CD1012: Windows 2000 or XP; Pentium III or better; 24X CD-ROM or better; sound

Grain Production

Units



AU8011

Crop Breeding: Corn, 28p

Price: \$3.25

Describes the importance of the corn crop, its breeding history, taxonomic relationships, crop characteristics, and breeding objectives. It includes a glossary and shows the steps in making a controlled cross for the crop.

U4027b

Growing Wheat, 28p

Price: \$3.25

U4039b

Corn Production, 20p

Price: \$2.25

U4055a

Growing Grain Sorghum, 20p

Price: \$2.25

Pesticides

Units



Safe Use of Farm Chemicals Series

Safety in the use, storage, and application of agricultural chemicals is a common goal of agriculturists and the general public.

U4080

Pesticide Use: A Benefit/Risk Analysis, 20p

Price: \$2.25

U4081

Reading Chemical Container Labels, 16p

Price: \$1.75

U4082

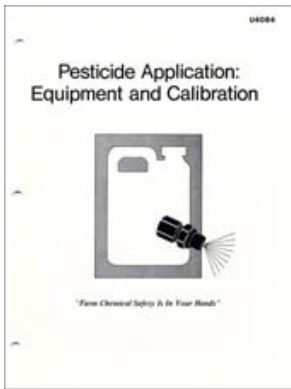
Using Farm Chemicals Safely, 24p

Price: \$2.75

U4083

Managing the Environmental Impact of Pesticides, 24p

Price: \$2.75



U4084
Pesticide Application: Equipment & Calibration, 28p
 Price: \$3.25

U4085
Glossary of Pesticide Terms, 8p (bundle of 10)
 Price: \$9.00

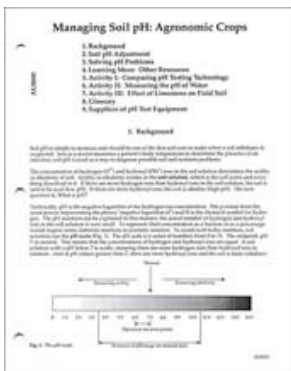
Transparencies

T790
Safe Use of Pesticides, 40 fr., w/guide
 Price: \$30.00

Pesticide types, formulations, classification, labels, and warnings are described in detail. Protective clothing and equipment and safe practices are illustrated.

Soils

Units



AU8040
Managing Soil pH: Agronomic Crops, 24p
 \$2.75

Various sections of this publication discuss soil pH adjustment and include pH and limestone problems to be solved. Activities are comparing pH testing technologies, measuring the pH of the water, and a classroom study of the effect of limestone on field soil.

U4001a
Collecting and Preparing Soil Samples for Testing, 16p
 Price: \$1.75

U4002a
pH Test for Soil Acidity, 8p (bundle of 10)
 Price: \$9.00

U4003c
Phosphorus Management, 16p
 Price: \$1.75

U4004b
Determining Available Potassium in Soils, 12p
 Price: \$1.50

U4006a
Soil Liming—A Key to Better Farming, 8p (bundle of 10)
 Price: \$9.00

Agronomy

U4008b
Potassium Management, 12p
 Price: \$1.50

U4009b
Planning the Nitrogen Program, 16p
 Price: \$1.75

U4010a
Planning a Fertilizer Program, 8p (bundle of 10)
 Price: \$9.00

U4011b
Hunger Signs in Crops, (with color insert), 12p
 Price: \$1.75



U4052a
Understanding Soils, 20p
 Price: \$2.25

U4053a
Using the Illinois Land-Use Scorecard, 28p
 Price: \$3.00

Transparencies.....



T701
Soil Science, 32 fr.
 Price: \$22.25

Introduces the science of classifying and managing soils. Graphically illustrates soil particle size, textural classes, and common types of soil structure.

T702
Soil Testing and Fertility, 57 fr., w/guide
 Price: \$44.50

Shows equipment, procedures, and test results of soil testing. Explains how nutrients are held in soils and how soil environmental conditions affect added nutrients. Charts point out the benefits of nutrient application.

Soybeans

Unit.....

U4033b
Soybean Production, 20p
 Price: \$2.25

Weeds

Units



U4073
The Weed Factor, 8p (bundle of 10)
 Price: \$9.00

Discusses how weeds and their seeds impact agriculture. Lists primary noxious, secondary noxious, and common weeds that are likely to occur in corn, soybeans, wheat, and oats in Illinois.

Transparencies.....



T700
How Herbicides Work, 46 fr.
 Price: \$34.50

Shows how weeds reduce crop yields and why good control is important. Illustrates life cycles of annuals, biennials, and perennials. Describes herbicides and how they work. Briefly reviews application equipment and its use.

CD-ROMS



MDS707b
Weed Identification, In all, there are nearly 700 frames on this CD.
 Price: \$77.00

This is a PowerPoint CD-ROM for teaching weed identification. It includes all the weeds on the IAVAT weed identification list (2007 revision). Presentations include 1) the regular set with images and text descriptions of the weeds, 2) a practice set without weed names appearing by the images, and 3) a set that is an interactive quiz presentation which allows the user to choose an image to answer a question.



MDS707b-10
Weed Identification Quiz Pack, (10 identical CD-ROMs for drill and practice)
 Price: \$225.00

Miscellaneous



AGRON-08

Agronomy CDE Resources Set

Price: \$650.00

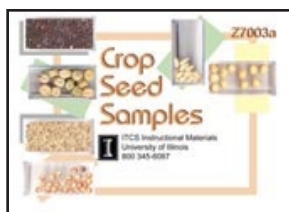


Get your CDE agronomy resources in this comprehensive set. We've compiled all the materials available from ITCS Instructional Materials to help you train a team for these agronomy CDE areas:

- * Written exam
- * Weed ID
- * Crop ID
- * Placing classes
- * Practicums—insects and soils

The set contains 22 resources, including the Illinois Agronomy Handbook, the Illinois Master Gardener Manual, the Field Crop Scouting Manual, the Crop Sciences Laboratory Manual, Weed and Insect Identification CDs, Crop and Weed Seed Samples, and much more.

Available for a limited time only.



Z7003a

Crop Seed Samples

Price: \$40.00

This identification set contains 41 crop seeds used in the Illinois Agronomy Career Development Event. Includes a key to the numbered samples.

Alfalfa	Fescue	Pea	Soybeans
Alsike clover	Grain sorghum	Peanut	Sudangrass
Barley	Kentucky bluegrass	Perennial ryegrass	Sugar beet
Birdsfoot trefoil	Ladino clover	Popcorn	Sunflower
Broccoli	Lespedeza	Pumpkin	Sweet clover
Bromegrass	Lettuce	Red clover	Sweet corn
Canola	Lima bean	Redtop	Timothy
Corn	Muskmelon	Rice	Tomato
Cotton	Oats	Rye	Vetch
Cucumber	Orchardgrass	Safflower	Watermelon
			Wheat



Z7004a

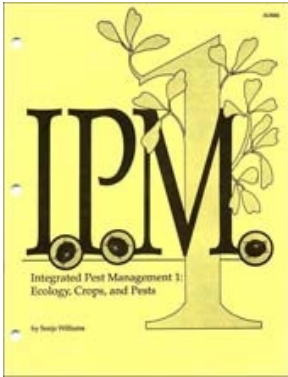
Weed Seed Samples

Price: \$109.00

This identification set includes 42 weeds listed in the Illinois Association of Vocational Agriculture Teachers (IAVAT) Agronomy Career Development Event rules.

Barnyardgrass	Dandelion	Ladysthumb smartweed	Waterhemp
Buckhorn plantain	Fall panicum	Large crabgrass	Wild carrot
Burdock	Field bindweed	Musk thistle	Wild mustard
Chicory	Field pennycress	Peppergrass	Wild oats
Common cocklebur	Giant foxtail	Prickly sida	Wild parsnip
Common lambsquarters	Giant ragweed	Purslane	Wild sunflower
Common mallow	Green foxtail	Quackgrass	Woolly cupgrass
Common milkweed	Horseweed (marestail)	Redroot pigweed	Yellow foxtail
Common mullein	Ivyleaf morningglory	Shattercane	Yellow nutsedge nutlets
Common ragweed	Jimsonweed	Shepherd's-purse	
Curly dock	Johnsongrass	Velvetleaf	

Units



Integrated Pest Management Series

IPM I, Ecology, Crops, and Pests introduces students to management techniques to keep insect and other pest populations at acceptable levels without harm to the environment. IPM II, Why IPM? demonstrates that indiscriminate pesticide use leads to serious problems.

AU8004

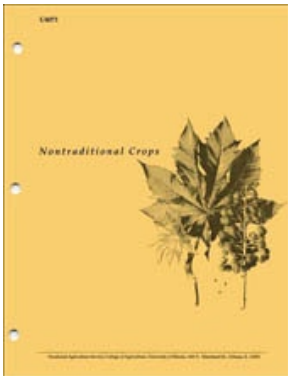
Integrated Pest Management I, Ecology, Crops, Pests, 36p

Price: \$4.00

AU8005

Integrated Pest Management II, Why IPM?, 36p

Price: \$4.00

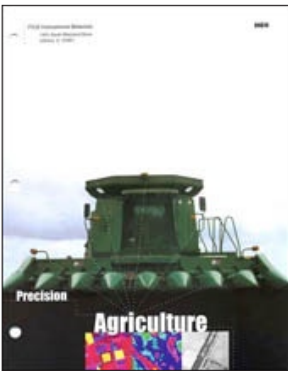


U4071

Nontraditional Crops, 28p

Price: \$3.25

Describes several nontraditional crops, including kenaf, guayule, rapeseed, crambe, castor, lesquerella, milkweed, and others. An introductory section lists factors to consider when evaluating nontraditional crops.



U4074

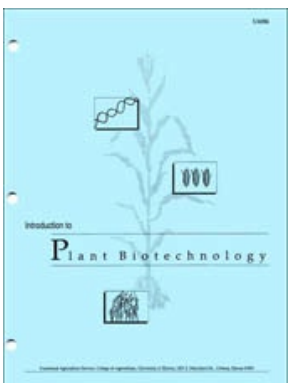
Precision Agriculture, 28p

Price: \$4.75

SETU4074 (bundle of 10)

Price: \$38.50

This unit provides a basic outline of precision agriculture and its components. The major sections of the publication are Introduction, Soil Sampling, Remote Sensing, Global Positioning Systems, Yield Monitors, Geographic Information Systems, Variable Rate Technology, and The Future. Color illustrations appear throughout the unit, and a companion Web site of precision agriculture Web links has been prepared.



U4086

Introduction to Plant Biotechnology, 28p

Price: \$3.25

Agronomy

Transparencies.....



T730

Practical Agronomy, 40 fr.

Price: \$30.00

Provides general illustrations and reference tables for agronomy. Can be used to supplement lectures and talks or for projection during student lab exercises. Major categories are Breeding, Growth and Development, Soils and Nutrition, and Miscellaneous.

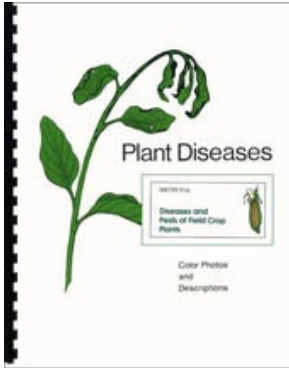


Agronomy Diseases and Pests Picture Sheets

Price per Bundle: \$15.00 (Titles sold only in bundles of 25)

- X798.03 **Grain Molds and Vertebrate Storage Pests**
- X798.30 **Corn Insects—Above Ground**
- X798.31 **Corn Insects—Below Ground**
- X798.40 **Soybean Insects**
- X799.30 **Corn Diseases I**
- X799.31 **Corn Diseases II**
- X799.32 **Corn Diseases III**
- X799.33 **Corn Diseases IV**
- X799.35 **Sorghum Diseases I**
- X799.36 **Sorghum Diseases II**
- X799.40 **Soybean Diseases I**
- X799.41 **Soybean Diseases II**
- X799.50 **Alfalfa Diseases I**
- X799.51 **Alfalfa Diseases II**
- X799.60 **Clover Diseases I**
- X799.61 **Clover Diseases II**
- X799.62 **Forage Grass Diseases I**
- X799.70 **Wheat Diseases I**
- X799.71 **Wheat Diseases II**
- X799.81 **Barley and Rye Diseases**
- X898.01 **Field Crop Weeds**
- X899.01 **Corn Herbicide Injury I**
- X899.06 **Soybean Herbicide Injury I**
- X899.07 **Soybean Herbicide Injury II**
- X899.16 **Injury Symptoms from Selected Herbicides**
- X899.17 **Herbicide Injury—Meristematic Inhibitors I**
- X899.18 **Herbicide Injury—Meristematic Inhibitors II**
- X899.19 **Herbicide Injury—Plant Growth Regulators & Pigment Inhibitors**
- X899.20 **Herbicide Injury—Photosynthetic Inhibitors & Contact Herbicides**

Booklets, Binders, Manuals, Pocketbooks, and More



MX799.91a
Diseases and Pests of Field Crop Plants, Booklet
 Price: \$21.25

An 8 1/2" x 11" spiral bound booklet with 31 photo identification sheets with one side of color photos and descriptions on the back. 31 sheets which include: Corn Diseases I-V, Sorghum Diseases I & II, Soybean Diseases I & II, Alfalfa Diseases I & II, Clover Diseases I & II, Forage Grass Diseases I, Wheat Diseases I & II, Oat Diseases, Barley and Rye Diseases, Corn Herbicide Injury I & II, Soybean Herbicide Injury I & II, Corn Insects-Above Ground, Corn Insects-Below Ground, Soybean Insects, Stored Grain Insects and Molds, Injury Symptoms from Selected Herbicides, Herbicide Injury—Meristematic Inhibitors I, Herbicide Injury—Meristematic Inhibitors II, Herbicide Injury—Plant Growth Regulators and Pigment Inhibitors, and Herbicide Injury—Photosynthetic Inhibitors and Contact Herbicides.

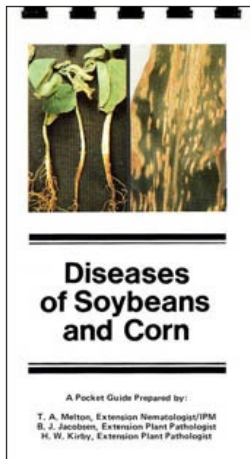


Diseases and Pests Binder

A 3-ring binder containing all 74 color photo sheets is organized with 25 tab dividers. Major divisions of the binder include diseases, herbicide injury, pests, and weeds of agronomic and horticultural crops.

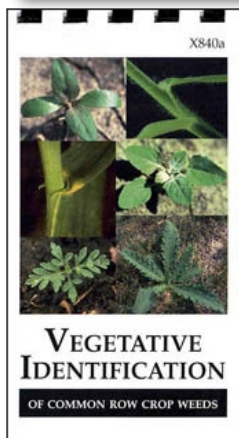
MX800
 3-ring binder with 25 tab dividers and 74 color photo sheets
 Price: \$40.75

X800
 3-ring binder with 25 tab dividers
 Price: \$13.50



X830
Diseases of Soybeans and Corn, Pocketbook
 Price: \$5.50

This 3" x 5 1/2" booklet (spiral-bound) is a guide to help identify diseases of soybeans and corn quickly and accurately. It assists in early, in-the-field identification when control measures are generally more effective. Over 50 different diseases are illustrated with color photos.



X840a
Vegetative Identification of Common Row Crop Weeds, Pocketbook
 Price: \$9.75

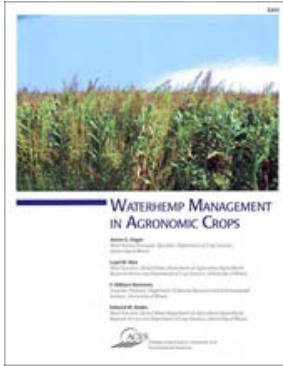
This spiral-bound pocketbook has been revised and expanded. Describes 48 weeds.

Agronomy

Z840.1

Broadleaf and Grass and Grasslike Weed Vegetative Identification Keys, Two keys, 8p
Price: (bundle of 25) \$36.50

These keys describe 27 broadleaf and 20 grass or grasslike weed seedlings found in corn and soybeans. They focus primarily on characteristics of leaf arrangements, true leaves, grass ligules, and cotyledons. Sketches are used to determine proper identification.



X855

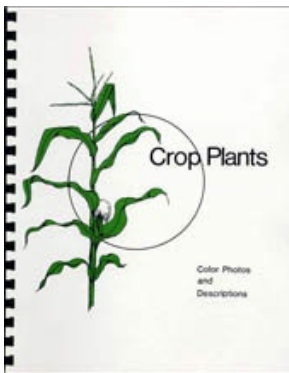
Waterhemp Management in Agronomic Crops, 12p Color Booklet
Price: \$2.50

In 12 pages, this color booklet describes the biology and identification of waterhemp, considers its increased prevalence, and details interactions with soil-applied and postemergence herbicides in corn and soybean fields. Contains color photographs.

X860

Crop Plants, 82p Book
Price: \$13.75

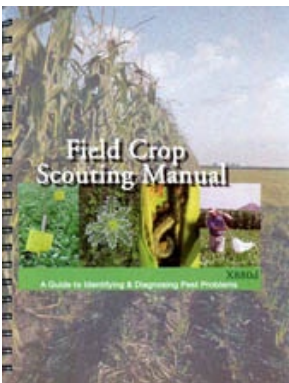
Each 8 1/2" x 11" booklet has 40 sheets with clear color photographs that help identify plants quickly and accurately. Each crop plant is shown in 4 stages—seed, seedling, mature plant, and flower.



X870

Insect Pest Identification of Corn, Soybeans, and Alfalfa, Pocketbook, 52p
Price: \$3.75

A handy 3" x 5" pocketbook with 25 color photographs of insect pests. Describes damage, scouting procedures, and guidelines for control.



Field Crop Scouting Manual, Fifth edition, 236p

X880d, manual only
Price: \$66.00

CDR880d, CD-ROM only
Price: \$66.00

SETX880d, manual + CD-ROM
Price: \$120.00

This manual is designed to aid in identification and evaluation of common problems in the field. It describes nutrient deficiencies, herbicide injuries, insects, diseases, weeds, and other agronomic crop problems. Filled with color photos, line drawings, and scouting worksheets and guidelines. Revised 2004.

The fifth edition's main features:

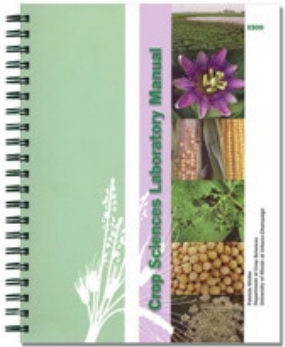
- 10% more content
- 30% more color photos





- each chapter is revised
- more durable front and back covers
- improved binding

The CD-ROM recreates the printed manual as Adobe Acrobat documents for onscreen viewing, with the added benefit of easy navigation. All the content is fully indexed and searchable by keywords. The freely distributable Adobe Acrobat Reader is included on the CD-ROM.



Crop Sciences Laboratory Manual, 234p

X900, manual only
Price: \$55.00

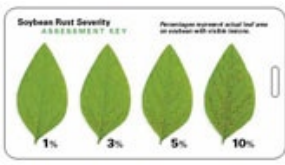
CDR900, CD-ROM only
Price: \$27.50

Written by Patricia Stoller, Department of Crop Sciences, University of Illinois at Urbana-Champaign, this manual is a good reference for the agriculture classroom. High school agriculture instructors may find the manual useful for supplementing their class laboratory activities. College and University classes can use it as a class text.

There are color illustrations and color photographs throughout the manual. Each of the 14 chapters has a notes-taking section at the end of the chapter, and there is a multipage laboratory exercise for each chapter.



An instructor guide CD-ROM consists of a 46-page Adobe Acrobat document. The guide contains suggestions to help the instructor coordinate lab activities. These suggestions include a list of potential plants and other materials that can be used for exercises. Lab preparations are outlined and sample answers to lab exercise questions are presented. Bookmark navigation is provided to the 14 chapter exercises. A freely distributable Adobe Reader is included on the CD-ROM.



X881
Soybean Rust Assessment Tool
Price: \$11.00

Designed to be used in the field when scouting for soybean rust, this tool consists of a lanyard with a retractable soybean rust assessment card. On one side, the card shows actual 1%, 3%, 5% and 10% infected leaf tissue with lesions. The reverse side describes assessment steps.



X882
Pocket Magnifier
Price: \$36.50

Soybean rust lesions are small and good magnification is required for proper examination. This high-quality, 20X folding pocket magnifier with lanyard and carry case is recommended by scouting experts as an essential part of your scouting tools.

Agronomy



MDS708

Insect Identification CD-ROM

Price: \$30.00



If you're looking for the right tool to teach your students about insects, this CD-ROM has it all. Insect Identification includes all the insects on the Illinois Association of Vocational Agriculture Teachers Agronomy Career Development Event insect identification list (the Illinois list is a subset of the national Agronomy CDE list of 38 insects). Presentations include:

- a set with images and text descriptions of the insects
- a practice set without insect names by the images
- a set that is an interactive quiz presentation, which allows the user to choose an image to answer a question.

The CD-ROM also includes a short presentation on insect anatomy, insect life cycles, and economic injury. Teachers will like the Quiz Planner for creating multiple quizzes for classroom use.

In all, there are more than 150 PowerPoint frames on this CD.