

**Classroom-ready lessons for agriculture instruction**

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| **Lesson libraries:**   * Almost 1,300 classroom-ready lessons covering a variety of agriculture topics * Great for regular classes, substitute teachers and independent study * Matched with The Council's “National AFNR Career Cluster Content Standards, 2015”   **Current lesson libraries:**   * Ag Careers * Ag Engineering * Ag Issues * Agribusiness * Aquaculture * Biotechnology * Crop Science * Equine * Farm Management * FFA & Leadership * Food Science * Horticulture * Large Animal Science * Marketing * Natural Resource Systems * Organic * Poultry Science * Risk Management * Small Animal Science * Vet Science   **Special lesson groups:**   * Introductory lessons (selected from several libraries) * Safety lessons (selected from several libraries) | **Lesson extras:**   * PowerPoints * Vocabulary crossword puzzles * Worksheets * Assessment questions * Exercises * Teacher’s guides * Prescreened lesson Internet Resources * Glossaries for each lesson library * Search engine for all lessons and news files * Online surveys for Ag Issues lessons   **AgEd Today:**   * Daily agriculture news report from the U.S. and around the world * Weekly current events quiz * Timely Topics special reports * Daily news reports archived for two weeks   **More features:**   * A site license good for all students and teachers at your school * Entirely online and ready when you are * One- or two-year subscription rates available * FREE TRIAL for instructors: Call 800-236-7862 or sign up at <https://www.agednet.com/freetrial.shtml>   **Contact us:**   * Call 800-236-7862 * Send an e-mail: [comments@agednet.com](mailto:comments@agednet.com) * Our mailing address: 137 South Main Street, West Bend, WI 53095 |

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or request one online at <https://www.agednet.com/freetrial.shtml>.

**Ag CAREERS Library**

CR100 Ag Careers Library Guide

Finding and Getting a Job

[CR001 Research for a Productive Job Search](http://localhost/subs/cr001.shtml)

[CR002 Writing an Effective Resume](http://localhost/subs/cr002.shtml)

[CR003 Preparing Quality Job-Related Correspondence](http://localhost/subs/cr003.shtml)

[CR004 Preparing for a Job Interview](http://localhost/subs/cr004.shtml)

Career Exploration

[CR005 Informational Interviews in a Job Search](http://localhost/subs/cr005.shtml)

[CR006 Job Shadowing To Benefit a Job Search](http://localhost/subs/cr006.shtml)

[CR007 Finding and Benefiting from Internships](http://localhost/subs/cr007.shtml)

General Agricultural Career Topics

CR101 Start Your Career Search with Yourself

CR102 Narrowing Down Your Career Search

CR103 Draw on Your Experiences

Careers in Specific Agricultural Fields

CR104 Careers in Animal Science

CR105 Career Opportunities in Veterinary Medicine

CR106 Career Opportunities in Poultry

CR107 Career Opportunities in Crop Science

CR108 Opportunities in Plant Sciences

CR109 Opportunities in Horticulture

CR110 Career Opportunities in Biotechnology

CR111 Career Opportunities in Food Science

CR112 Careers in Cereal Chemistry

CR113 Opportunities in Agricultural Engineering

CR114 Careers in Agricultural Economics

CR115 Career Opportunities in Farm Management

CR116 Careers in Commodity Marketing

CR117 Agribusiness Marketing and Sales

CR118 Careers in Ag Cooperatives

CR119 Careers in Ag Communications

CR120 Weather Forecasting and Research Careers

CR121 Career Opportunities in Conservation

CR122 Careers in Environmental Protection

CR123 Careers in Forestry and Wood Products

CR124 Careers in Range Management

CR125 Careers in Farming and Ranching

CR126 Obtaining Credit as a Young Farmer

CR127 Careers in Ag Education

[CR128 Careers in Agricultural Credit and Finance](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\cr128.htm)

**Ag ENGINEERING Library**

Woodworking

AE101 Taking Linear Measurements

AE102 Using Squares, levels and Lines

AE103 Using Fasteners

AE104 Woodworking Hand Tools

AE105 Selecting and Using Abrasives

AE106 Using Stains and Clear Finishes

AE107 Woodworking Safety

Painting

AE120 Selecting Paints

AE121 Preparing Wood for Paint

AE122 Preparing Metal for Paint

AE123 Painting Techniques

Portable Power Tools

AE160 Selecting and Using Portable Drills

AE161 Selecting and Using Portable Sanders

AE162 Selecting and Using Portable Saws

AE163 Selecting and Using Routers

Stationary Power Tools

AE180 Using a Table Saw

AE181 Using a Radial Arm Saw

AE182 Using a Band Saw

AE183 Using Planers

Tool Maintenance and Repair

AE200 Removing and Preventing Rust

AE201 Replacing Tool Handles

AE202 Sharpening Tools

AE203 Sharpening Screwdrivers

AE204 Sharpening Knives

AE205 Sharpening Axes and Hatchets

Gas Welding and Cutting

AE220 Gas Safety

AE221 Acetylene Equipment

AE222 Fusion and Filler Rod Welds

AE223 Brazing

AE224 Cutting with Oxyfuel

Arc Welding

AE240 Arc Welding Safety

AE241 Principles of Arc Welding

AE242 Selecting Electrodes

AE243 Welding Mild Steel

AE244 MIG Welding

AE245 TIG Welding

AE246 Striking an Arc

AE247 Evaluating Welds

AE248 To the Shop With Arc Welding

Small Gasoline Engines

AE260 Principles of Small Gasoline Engine Operation

AE261 Small Gasoline Engine Systems

AE262 Types of Oil

AE263 Small Gasoline Engine Troubleshooting

AE264 Small Gasoline Engine Safety

[AE300 Small Engine Disassembly](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ae300.htm)

AE301 Measuring With Dial Calipers and Micrometers

AE302 Calculating Engine Displacement

Electrical Wiring

[AE320 Magnetism](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ae320.htm)

[AE321 Ohm's Law](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ae321.htm)

[AE322 Electrical Safety](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ae322.htm)

AE323 Identifying Electrical Wire

[AE324 Electrical Receptacles](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ae324.htm)

[AE325 Installing Single, Three- and Four-Way Switches](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ae325.htm)

[AE326 Reading Meters](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ae326.htm)

AE327 Drawing Electrical Diagrams

AE328 Determining Wire Count and Box Type and Size

AE329 Determining Wire Size

Electric Motors

[AE340 How Do Electric Motors Operate?](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ae340.htm)

[AE341 Selecting Electric Motors](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ae341.htm)

[AE342 Controlling Rounds-Per-Minute by Using Pulleys](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ae342.htm)

[AE343 Electric Motor Controls](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ae343.htm)

Plumbing

[AE361 Plumbing Tools](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ae361.htm)

[AE362 Types and Uses of Pipe](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ae362.htm)

[AE363 Connecting Pipe](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ae363.htm)

[AE364 Septic Systems](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ae364.htm)

Irrigation Systems

[AE380 Types of Irrigation Systems](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ae380.htm)

[AE381 Calculating the Amount of Irrigation Needed](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ae381.htm)

Hydraulics

[AE400 Pascal's Principle](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ae400.htm)

AE401 Hydraulic System Basics: Parts, Fluids, Filtration

AE402 Hydraulic System Maintenance

[AE403 Hydraulics and Pneumatics in Agriculture](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ae403.htm)

Concrete and Masonry

[AE420 Curing Concrete](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ae420.htm)

[AE421 Aggregates](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ae421.htm)

[AE422 Estimating Block](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ae422.htm)

Farm Building Materials

AE440 Selecting and Using Plywood

AE442 Selecting and Using Pressure Treated Lumber

Aquaculture and Greenhouse Systems

AE460 Parts of a Closed Loop Aquaculture System

AE461 Types of Greenhouses

AE462 Hydroponics Systems

Wood Technology

AE022 Woodshop Safety

AE023 Farm Sketches and Drawings

Farm Buildings and Related Structures

AE001 Farm Buildings and Related Structures

AE002 Concrete and Masonry Construction

AE003 Use of Drawing Plans in Agribusiness

AE004 Selecting Farm Construction Materials

AE005 Stress and Loads on Farm Buildings

AE006 Depreciation of Farm Storage Buildings

AE007 Portable Power Tool Safety

AE008 Framing Floors, Walls and Roofs

AE009 Types of Roofing Materials

AE010 Basic Electrical Wiring

AE011 Painting Farm Buildings

AE012 Stray Voltage on Dairy Farms

**Ag Issues Library**

IS100 Ag Issues Library Guide

Understanding Ag Issues

IS101 What Is the Hottest Ag Issue in Your Area?

IS102 How Problems Become Public Issues

IS103 Searching for the Truth About the Issues

IS104 How Public Issues Can Be Solved

IS105 How Agreements Can Be Negotiated

IS106 Finding the Latest Issues Information

Animal Issues

[IS111 Understanding Animal Rights Vs. Animal Welfare](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\is111.htm)

IS112 Answers for Animal Rights Charges Against Agriculture

IS113 Can Producers Set Their Own Animal Care Standards?

IS114 The Ethics of Cloning: When Should It Be Legal?

IS115 Should a Milk Producer Use rbGH To Boost Output?

IS116 Is It Right To Use Animals for Research Purposes?

IS117 Is USDA's National Animal Identification a Good Idea?

IS118 How Should Cloned Animals Be Used?

Food Safety Issues

IS121 Understanding Food Safety, Security and Health Safety Issues

IS122 Keeping Food Safe From Pesticides

IS123 Keeping Food Safe From Pathogens

IS125 Consumer Choice: Organic Vs. Mass Produced Foods

IS126 Are Genetically Modified Foods Safe To Eat?

IS127 Labels for Genetically Modified Foods

IS128 Are We Doing Enough To Stop the Mad Cow Risk?

Environmental Issues

IS131 Why the Clash Between Agriculture and Environment?

IS132 Environment Vs. Private Property Rights

IS133 How Can We Best Protect Public Forests?

IS134 Protecting Public Interests on Private Forestland

IS135 Irrigating Crops Vs. Saving Endangered Fish

IS235 Understanding Irrigation Water Issues

IS136 Understanding the Debate Over Global Climate Change

IS137 Are Farmers Poisoning the Gulf of Mexico?

IS138 Are We Doing Enough To Stop Invasive Species?

IS139 Wolf Recovery Vs. Farmers and Ranchers

IS140 How Should the Endangered Species Act Be Reformed?

IS141 Two-Cycle Vs. Four-Cycle Engines and the Environment

[IS142 Energy, Agriculture and ANWR](http://localhost/EZ/subs/is142.shtml)

IS143 Growing Population Vs. Shrinking World Resources

[IS144 Can Agriculture Help To Solve America's Energy Shortfall](file:///C:\Program%20Files\Apache%20Group\Apache\htdocs\EZ\subs\is144.shtml)

[IS146 Wind Power: A Green Alternative Vs. Community Opposition](file:///C:\Program%20Files\Apache%20Group\Apache\htdocs\EZ\subs\is146.shtml)

IS147 Is Organic Production Really Better for Me and the Environment?

Agricultural Policy Issues

IS161 Why Should Farmers Get Special Treatment From the Government?

IS162 Who Supports and Who Opposes Farm Programs?

IS163 Why Can't Farmers Survive Without So Much Government Subsidy?

IS164 When Should Farmers Receive Emergency Aid From Government?

IS165 Should We Try To Save the Small Family Farm?

IS166 Should Meatpackers Be Allowed to Own and Produce Livestock?

[IS167 Is It Fair To Force Producers To Pay for Promotions?](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\is167.htm)

IS169 Taking Private Property for Public Use

Economy and Trade

IS171 Understanding World Trade Issues

IS172 NAFTA: A Success or a Failure?

IS272 Will More Free Trade Agreements Help U.S. Agriculture?

IS173 Understanding Ag Issues in WTO Trade Negotiations

IS174 Biotechnology as a Free Trade Issue

IS175 Should Food Be a Weapon of U.S. Foreign Policy?

IS176 Have We Stopped the Threat of Foot-and-Mouth Disease?

IS177 How Can We Solve Farm Labor Shortages?

Ag and Biotechnology Issues

IS181 Science and Technology Vs. Unknown Risks

IS182 Regulating Risks of Biotechnology

IS183 Could Biotechnology Backfire on Farmers?

IS184 Sustainable Agriculture in Low- and High-Input Systems

IS185 Where To Draw the Line When Tinkering With Nature

Agricultural Career Issues

IS191 Is There a Career for Me in Agriculture?

IS192 How Important Is Farm Background?

IS193 Is Biotechnology Still a Promising Career Opportunity?

IS194 Is Value-Added Agriculture in Your Future?

IS195 Is There a Future for Me in the Organic Industry?

**AGRIbusiness Library**

AB100 Agribusiness Library Guide

Starting a Small Business

[AB140 Should I Start a Business of My Own?](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ab140.htm)

[AB241 Finding the Right Business for You](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ab241.htm)

[AB242 Doing Research To Measure Your Market Potential](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ab242.htm)

[AB243 Making Your Small Business Start-Up Plan](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ab243.htm)

[AB244 Finding Capital To Start a Small Business](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ab244.htm)

[AB245 Turning Your Plans Into a Legal Business](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ab245.htm)

[AB246 Preparing To Manage Your Business](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ab246.htm)

[AB247 Selecting Your System of Records and Accounting](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ab247.htm)

[AB248 Understanding Profit or Loss and Financial Progress](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ab248.htm)

[AB249 Managing Risks and Liabilities](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ab249.htm)

[AB250 Marketing and Selling Your Products](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ab250.htm)

[AB251 Pricing Your Products and Services](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ab251.htm)

[AB252 Promoting Your Business and Products](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ab252.htm)

[AB253 Finding and Managing Employees](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ab253.htm)

Profile of U.S. Agribusiness

AB101 Understanding U.S. Agriculture and Agribusiness

AB102 Understanding U.S. Ag Production Businesses

AB103 Understanding the "Inputs" in Ag Production

AB104 Providing Equipment for Farms, Ranches and Feedlots

AB105 History and Growth of Farm Equipment Companies

AB106 Providing Inputs for Crop Protection and Growth

AB107 History and Growth of Agricultural Pesticide Companies

AB108 The Growth of an Agricultural "Genetics" Industry

AB109 History and Growth of Seed and Genetics Companies

AB110 Supplying Feeds for Livestock, Dairy, Poultry and Pets

AB111 Profiles of Animal Health Product Companies

AB112 The Business of Marketing Agricultural Products

AB113 Companies That Market Food From U.S. Producers

AB114 Trends To Watch in the Marketing of Food and Fiber

Financial Planning

AB120 Making a Business Plan

AB121 Introduction to Budgeting

AB122 Making Personal and Family Budgets

AB123 Making a Farm Business Operating Budget

AB124 Making and Using Partial Budgets

AB125 Making and Using Cash Flow Budgets

Managing Finances

AB126 Understanding Farm and Business Accounting

AB127 Selecting a Farm Record System

AB128 Taking inventory To Make a Balance Sheet

AB129 Making a Balance Sheet

AB130 Understanding Accrual Vs. Cash Accounting

AB131 Making an Income Statement

AB132 Making a Statement of Cash Flows

AB133 Making an Ending Balance Sheet

AB134 Making a Statement of Owner Equity

AB135 Measuring Financial Strength and Progress

Business Decisions

[AB142 Using Land, Labor, Capital and Management](file:///C:\program%20files\qualcomm\eudora%20mail\Documents%20and%20Settings\kmuth\Local%20Settings\Temporary%20Internet%20Files\OLK8D\ab142.htm)

[AB143 Should Your Business Be a Corporation, or What?](file:///C:\program%20files\qualcomm\eudora%20mail\Documents%20and%20Settings\kmuth\Local%20Settings\Temporary%20Internet%20Files\OLK8D\ab143.htm)

[AB144 Understanding the Taxes Businesses Must Pay](file:///C:\program%20files\qualcomm\eudora%20mail\Documents%20and%20Settings\kmuth\Local%20Settings\Temporary%20Internet%20Files\OLK8D\ab144.htm)

[AB145 Tax Rules Every Business Person Needs To Know](file:///C:\program%20files\qualcomm\eudora%20mail\Documents%20and%20Settings\kmuth\Local%20Settings\Temporary%20Internet%20Files\OLK8D\ab145.htm)

[AB146 Managing the Cost of Paying Taxes](file:///C:\program%20files\qualcomm\eudora%20mail\Documents%20and%20Settings\kmuth\Local%20Settings\Temporary%20Internet%20Files\OLK8D\ab146.htm)

[AB147 Estate Planning for Farm and Business Owners](file:///C:\program%20files\qualcomm\eudora%20mail\Documents%20and%20Settings\kmuth\Local%20Settings\Temporary%20Internet%20Files\OLK8D\ab147.htm)

Organizations

AB148 Understanding Farm and Business Organizations

AB149 Joining an Association for Agribusiness Companies

AB150 Joining an Association of Agricultural Professionals

AB151 Joining a General Farm Organization

AB152 Joining a Commodity Organization

AB153 Understanding Grower Organization Membership

[AB154 What Is a Cooperative Agribusiness?](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ab154.htm)

[AB155 Principles and Laws That Rule Cooperatives](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ab155.htm)

[AB156 Why Do Business With a Cooperative?](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ab156.htm)

[AB157 Co-op Networks Gain Purchasing Power](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ab157.htm)

[AB158 Co-op Networks Provide Market Clout](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ab158.htm)

Investments in Land

AB161 What Is Farm Real Estate and What Is It Worth?

AB162 Understanding the Factors in Farmland Values

AB163 How To Determine What Land Can Produce

AB164 The Value of Location in Land Prices

AB165 How a Beginner Can Buy a Farm

AB166 Understanding Land Contracts

AB167 How To Rent or Lease Land

AB168 Should a Farmer Rent or Buy To Get More Land?

AB169 Should a Young Farmer Rent or Buy Land?

Investments in Improvements

[AB170 Finding the Value of Farm Buildings](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ab170.htm)

[AB171 Planning Investments in Grain Storage](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ab171.htm)

[AB172 Investing in Buildings for Livestock](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ab172.htm)

[AB173 Investing in Animal Waste Management](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ab173.htm)

AB174 Planning Farm Equipment Storage

AB175 Planning Investments in Dairy Cow Buildings and Equipment

AB176 Dairy Investments and Operating Costs

AB177 Dairy Milking Systems and Equipment

AB178 Dairy Cow Housing and Facilities

AB179 Dairy Milking Barns and Parlors

Sources of Credit

[AB180 How to Choose a Lender](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ab180.htm)

[AB181 Banks, Merchants, and Other Lenders](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ab181.htm)

[AB182 Farm Credit System Banks and Associations](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ab182.htm)

[AB183 Farmer Mac, Fannie Mae and Other GSE Credit Sources](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ab183.htm)

[AB184 Farm Service Agency Loans](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ab184.htm)

Making Credit Decisions

[AB185 How Lenders Set Your Credit Limits](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ab185.htm)

[AB186 How To Set Your Own Borrowing Limits](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ab186.htm)

[AB187 Can I Repay This Loan?](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ab187.htm)

[AB188 Using Your Records To Make Loan Decisions](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ab188.htm)

[AB189 Applying for a Loan](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ab189.htm)

[AB190 Understanding the Cost of Borrowing Money](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ab190.htm)

[AB191 Calculating Interest Payments](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ab191.htm)

[AB192 Leasing Vs. Borrowing To Buy Equipment](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ab192.htm)

[AB193 Mortgage Loans Vs. Land Contracts](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ab193.htm)

[AB194 Borrowing and Using Operating Credit](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ab194.htm)

[AB195 When To Consolidate Farm or Business Loans](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ab195.htm)

[AB196 Expand Your Business or Reduce Your Debt?](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ab196.htm)

Business Risk and Liability

[AB220 Adjusting for Farm Business Risk](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ab220.htm)

[AB221 Using Insurance To Manage Risk](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ab221.htm)

[AB222 Deciding Where Insurance Is Needed](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ab222.htm)

[AB223 Life Insurance as a Farm Business Tool](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ab223.htm)

[AB224 Landlord-Tenant Rights and Liabilities](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ab224.htm)

[AB225 The Liability Risks of Chemical Hazards and Pollution](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ab225.htm)

[AB226 Employee-Employer Rights and Liabilities](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ab226.htm)

AB227 Understanding Water Rights of Land Owners

Government Programs

AB201 Finding Help Using USDA Programs

AB202 Why We Have Farm Policies and Programs

AB203 FARM LAWS: Understanding the 2014 Farm Bill

AB204 FARM LAWS: The Role of Commodity Programs

AB205 FARM LAWS: How Uncle Sam Provides Loans to Producers

AB206 How Policy Goals Take Shape and Change

AB207 FARM LAWS: Political Change Brings Policy Reforms

AB209 FARM LAWS: Setting Payment and Income Limits

AB210 FARM LAWS: The Impact of Federal Dairy Programs

AB211 FARM LAWS: Why the CRP Remains Popular

AB212 FARM LAWS: Food Issues Get Farm Bill Votes

AB213 FARM LAWS: Understanding How USDA Spends Its Budget

**AQUACULTURE LIBRARY**

AC001 Understanding Aquaculture and Its Future Potential

AC002 History of Aquaculture

AC003 Careers in Aquaculture

AC004 Is Aquaculture for You?

AC005 Choosing the Right Aquaculture Product

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AC006 Understanding Water Requirements of Fish

AC007 Production Costs in Aquaculture

AC008 Feeds and Feeding for Fish Production

AC009 Exploring Aquaculture Systems

AC010 Producing Vs. Buying Aquaculture Seedstock

AC011 Harvesting Your Aquaculture Crop

AC012 Combining Aquaculture With Hydroponics

AC014 Aquaculture Resources

AC101 Geography of Aquaculture

AC102 Common and Scientific Names and Traits of Cultured Aquatic Animals

AC103 Common and Scientific Names and Traits of Cultured Aquatic Plants

AC104 Functional Anatomy of Fish

AC105 Functional Anatomy of Crustaceans

AC106 Functional Anatomy of Clams

AC107 Basics of Marketing Fish

AC108 Spawning Fish

AC109 Culturing Food Fish

AC110 Culturing Ornamental or Hobby Fish

AC111 Culturing Oysters, Clams, Crayfish and Shrimp

AC112 Culturing Frogs

AC113 Nutritional Needs of Fish

AC114 Feeding Fish

AC115 Managing the Health of Aquatic Animals

AC116 Maintaining and Managing Water Quality

AC117 Water Volumes and Measurements

AC118 Parasitic Diseases of Fish

AC119 Bacterial Diseases of Fish

AC120 Viral Diseases of Fish

AC121 Noninfectious Diseases of Fish

AC122 Pond and Cage Construction

AC123 Closed or Recirculating Systems

AC124 Writing a Business Plan for Aquaculture

**BIOTECHNOLOGY Library**

Understanding Biotechnology

BT101 Introduction to Biotechnology

BT102 Understanding DNA, Genes and Chromosomes

BT103 Mapping and Sequencing Genetic Information

BT104 Developing Technologies from Embryo Research

BT105 Understanding Stem Cell Discoveries

BT106 Basic Biotechnology of Plant Reproduction

BT107 Genetic Engineering of Plant Life

BT108 Understanding Clones and Transgenic Animals

BT109 Producing Clones of Animals

BT110 Risks and Rewards in New Technology

BT111 Why Regulate Biotechnology?

BT112 Who Regulates Biotechnology?

Applying Biotechnology

BT114 Improved Food Products and Supply Using Biotechnology

BT115 Biotechnology and the Safety of Food

BT116 Building Sustainable World Food Supplies

BT117 Answering Questions Food Consumers Ask

BT118 Biotech: The Environmental Benefits

BT119 Biotech: The Environmental Risks

BT120 Biotech Trees and Forests in Your Future

BT121 Pursuing the Perfect Christmas Tree

BT122 Harvesting Products From Transgenic Animals

BT123 Animal Organs and Tissues for Human Use

BT124 Using Our Knowledge of Genes and Genomes

BT125 Genetically Engineering Vaccines

BT127 Using Biotechnology To Improve Plant Production and Quality

BT128 Using Biotechnology To Alter, Control and Improve Plant Production

BT129 Developing Crops That Fight Insects

BT130 Improving Livestock and Dairy Production

BT131 Looking Ahead: The Biotech Impact

**crop science Library**

Crop Technology

CS101 Reducing Herbicide Rates

CS105 Calculating Fertilizer Needs & Costs

CS107 Calculating Nutrient Credits for Crops

CS109 Using Fertilizer Based on Soil Texture

CS110 Fertilizer Value of Applied Manure

CS111 Using Manure as Fertilizer

CS112 Manure as Nitrogen Source for Corn

CS113 City Sewage Use on Crop Land

CS114 Fertility & Alfalfa Winter Injury

CS208 Understanding Integrated Pest Management

CS209 The Purpose of Using Pesticides

CS210 Reading Chemical Container Labels

CS211 Understanding Pesticide Safety

CS212 Using Pesticides Responsibly

CS213 Calibrating Pesticide Equipment

CS024 Better Pastures Needed

CS025 Alternative Perennial Forage Systems

CS026 Alternative Perennial Grass Crops

CS027 Ensiled Feeds

CS028 Grazing Management

Important Crops

[CS116 Corn](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\cs116.htm)

[CS117 Soybeans](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\cs117.htm)

[CS118 Potatoes](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\cs118.htm)

[CS119 Wheat](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\cs119.htm)

[CS120 Barley](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\cs120.htm)

[CS121 Oats](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\cs121.htm)

CS122 Rice

CS123 Food Legumes

CS124 Forage Legumes and Grasses

CS125 Sugar beets and Sugarcane

CS126 Cotton

CS127 Other Oilseed Crops

CS128 Specialty Crops

Plant Science

[CS301 Origin and Development of Cultivated Plants](file:///C:\program%20files\qualcomm\eudora%20mail\Documents%20and%20Settings\kmuth\Local%20Settings\Temporary%20Internet%20Files\OLK8D\cs301.htm)

[CS302 Geographical Distribution of Plants](file:///C:\program%20files\qualcomm\eudora%20mail\Documents%20and%20Settings\kmuth\Local%20Settings\Temporary%20Internet%20Files\OLK8D\cs302.htm)

[CS303 Classifying and Naming Plants or Plant Taxonomy](file:///C:\program%20files\qualcomm\eudora%20mail\Documents%20and%20Settings\kmuth\Local%20Settings\Temporary%20Internet%20Files\OLK8D\cs303.htm)

[CS304 Structure of Plants](file:///C:\program%20files\qualcomm\eudora%20mail\Documents%20and%20Settings\kmuth\Local%20Settings\Temporary%20Internet%20Files\OLK8D\cs304.htm)

[CS305 Anatomy of Plants](file:///C:\program%20files\qualcomm\eudora%20mail\Documents%20and%20Settings\kmuth\Local%20Settings\Temporary%20Internet%20Files\OLK8D\cs305.htm)

[CS306 Properties of Soils](file:///C:\program%20files\qualcomm\eudora%20mail\Documents%20and%20Settings\kmuth\Local%20Settings\Temporary%20Internet%20Files\OLK8D\cs306.htm)

[CS307 Role of Water in Plants](file:///C:\program%20files\qualcomm\eudora%20mail\Documents%20and%20Settings\kmuth\Local%20Settings\Temporary%20Internet%20Files\OLK8D\cs307.htm)

[CS308 Essential Nutrients and Their Roles](file:///C:\program%20files\qualcomm\eudora%20mail\Documents%20and%20Settings\kmuth\Local%20Settings\Temporary%20Internet%20Files\OLK8D\cs308.htm)

[CS309 Effect of Temperature on Plants](file:///C:\program%20files\qualcomm\eudora%20mail\Documents%20and%20Settings\kmuth\Local%20Settings\Temporary%20Internet%20Files\OLK8D\cs309.htm)

[CS310 Light and Plants](file:///C:\program%20files\qualcomm\eudora%20mail\Documents%20and%20Settings\kmuth\Local%20Settings\Temporary%20Internet%20Files\OLK8D\cs310.htm)

[CS311 Understanding Photosynthesis](file:///C:\program%20files\qualcomm\eudora%20mail\Documents%20and%20Settings\kmuth\Local%20Settings\Temporary%20Internet%20Files\OLK8D\cs311.htm)

[CS312 Understanding Plant Respiration](file:///C:\program%20files\qualcomm\eudora%20mail\Documents%20and%20Settings\kmuth\Local%20Settings\Temporary%20Internet%20Files\OLK8D\cs312.htm)

[CS313 Basics of Plant Growth](file:///C:\program%20files\qualcomm\eudora%20mail\Documents%20and%20Settings\kmuth\Local%20Settings\Temporary%20Internet%20Files\OLK8D\cs313.htm)

[CS314 Vegetative Growth](file:///C:\program%20files\qualcomm\eudora%20mail\Documents%20and%20Settings\kmuth\Local%20Settings\Temporary%20Internet%20Files\OLK8D\cs314.htm)

[CS315 Propagation of Plants](file:///C:\program%20files\qualcomm\eudora%20mail\Documents%20and%20Settings\kmuth\Local%20Settings\Temporary%20Internet%20Files\OLK8D\cs315.htm)

**EQUINE Library**

Equine Science

[EQ101 Brief History of the Horse](http://localhost/EZ/subs/eq101.shtml)

[EQ102 World and US Distribution of Horses](http://localhost/EZ/subs/eq102.shtml)

[EQ103 U.S. Equine Industry](http://localhost/EZ/subs/eq103.shtml)

[EQ104 Classifications and Types of Horses](http://localhost/EZ/subs/eq104.shtml)

[EQ105 Parts of a Horse](http://localhost/EZ/subs/eq105.shtml)

[EQ106 Importance of Age](http://localhost/EZ/subs/eq106.shtml)

[EQ107 Colors and Markings](http://localhost/EZ/subs/eq107.shtml)

[EQ108 Marking and Identifying Horses](http://localhost/EZ/subs/eq108.shtml)

[EQ109 Examining Horses for Unsoundness](http://localhost/EZ/subs/eq109.shtml)

[EQ110 Judging Horses](http://localhost/EZ/subs/eq110.shtml)

[EQ120 Basic Horse Genetics](http://localhost/EZ/subs/eq120.shtml)

[EQ130 Donkeys and Mules](http://localhost/EZ/subs/eq130.shtml)

[EQ140 Feeding Horses](http://localhost/EZ/subs/eq140.shtml)

[EQ160 Skeletal and Muscular System](http://localhost/EZ/subs/eq160.shtml)

EQ170 Knowing About Equine Internal Parasites

EQ171 Controlling Internal Parasites in Horses

EQ172 Functional Anatomy of Equine Digestion

EQ173 Equine Feedstuffs and Nutrient Costs

EQ174 Aspects of Equine Exercise Physiology

EQ175 Understanding Mare Reproductive Physiology

EQ176 Stallion Reproductive Physiology

EQ177 Understanding the Equine Hoof

EQ178 Using Body Condition Scoring in Horses

EQ179 Putting Together Equine Conformation

EQ180 Owning a Horse

EQ181 Light Horse Breeds

EQ182 Draft Horse Breeds

EQ183 Horse Feeding Management

EQ184 Foaling

EQ185 The Essentials of Horse Grooming

EQ186 Horse Tools of the Trade

EQ187 Equine Dental Care

EQ188 Gaits of Horses

EQ189 Does Your Horse Think?

[EQ190 Behavior and Training](http://localhost/EZ/subs/eq190.shtml)

[EQ191 Biomechanics of Movement](http://localhost/EZ/subs/eq191.shtml)

[EQ200 Diseases of Horses](http://localhost/EZ/subs/eq200.shtml)

[EQ201 Horse Health Management](http://localhost/EZ/subs/eq201.shtml)

[EQ202 Poisonous Plants](http://localhost/EZ/subs/eq202.shtml)

[EQ203 Recognizing Stress in Horses](http://localhost/EZ/subs/eq203.shtml)

[EQ204 First Aid](http://localhost/EZ/subs/eq204.shtml)

[EQ220 Fly Control](http://localhost/EZ/subs/eq220.shtml)

[EQ221 Pasture Management](http://localhost/EZ/subs/eq221.shtml)

[EQ223 Buildings for Horses](http://localhost/EZ/subs/eq223.shtml)

[EQ224 Waterers, Feeders and Fencing](http://localhost/EZ/subs/eq224.shtml)

[EQ225 Insurance and Contracts for Horses](http://localhost/EZ/subs/eq225.shtml)

**Farm Management Library**

FM100 Management Library Guide

Understanding Management

[FM101 The Meaning of Management in Farming](file:///C:\inetaged\subs\fm101.htm)

[FM102 Understanding Farm Costs and Profits](file:///C:\inetaged\subs\fm102.htm)

[FM103 How a Farm Becomes a Business](file:///C:\inetaged\subs\fm103.htm)

[FM104 Using Management Principles To Make Decisions](file:///C:\inetaged\subs\fm104.htm)

Planning Operations

[FM110 The Value of Scheduling Efficient Use of Equipment](file:///C:\inetaged\subs\fm110.htm)

[FM111 Calculating the Field Capacity of Farm Equipment](file:///C:\inetaged\subs\fm111.htm)

[FM112 Planter Cost Vs. Planter Capacity](file:///C:\inetaged\subs\fm112.htm)

[FM113 Calculating Combine Capacity Vs. Harvest Requirements](file:///C:\inetaged\subs\fm113.htm)

[FM114 Cotton Picker Vs. Stripper, Capacity and Efficiency](file:///C:\inetaged\subs\fm114.htm)

[FM115 Calculating Crop Labor Requirements](file:///C:\inetaged\subs\fm115.htm)

[FM116 Labor Required for Livestock and Dairy Enterprises](file:///C:\inetaged\subs\fm116.htm)

[FM117 Planning a Farm Labor Work Schedule](file:///C:\inetaged\subs\fm117.htm)

[FM118 Finding, Hiring And Managing Farm Labor](file:///C:\inetaged\subs\fm118.htm)

[FM119 Farm Labor Wages, Salaries and Incentives](file:///C:\inetaged\subs\fm119.htm)

FM120 Maintaining a Safe Milk Supply

Making Cost Control Decisions

[FM125 Understanding Your Cost Control Alternatives](http://localhost/EZ/subs/fm125.shtml)

[FM126 Improving Yields To Reduce Crop Costs](http://localhost/EZ/subs/fm126.shtml)

[FM127 Learn Buying Skills To Make Wise Purchases](http://localhost/EZ/subs/fm127.shtml)

[FM128 Making Farm Equipment Decisions](http://localhost/EZ/subs/fm128.shtml)

[FM129 Planning a Farm Equipment System](http://localhost/EZ/subs/fm129.shtml)

[FM130 Understanding Farm Equipment Costs](http://localhost/EZ/subs/fm130.shtml)

[FM131 Selecting the Most Efficient Tractor](http://localhost/EZ/subs/fm131.shtml)

[FM132 Understanding Combine Efficiency and Costs](http://localhost/EZ/subs/fm132.shtml)

[FM133 Estimating Fuel Requirements for Farm Operations](http://localhost/EZ/subs/fm133.shtml)

[FM134 Using Custom Work To Reduce Fixed Costs](http://localhost/EZ/subs/fm134.shtml)

[FM135 Own, Lease or Rent Farm Equipment](http://localhost/EZ/subs/fm135.shtml)

[FM136 Buying New or Used Equipment](http://localhost/EZ/subs/fm136.shtml)

[FM137 When To Trade and When To Keep Used Farm Equipment](http://localhost/EZ/subs/fm137.shtml)

[FM138 More Labor or Larger Equipment?](http://localhost/EZ/subs/fm138.shtml)

[FM139 Managing the Cost of Moisture in Marketing Grain](http://localhost/EZ/subs/fm139.shtml)

[FM140 Reducing the Cost of Energy for Drying Grain](http://localhost/EZ/subs/fm140.shtml)

FM141 Choosing A Tillage System To Save Soil and Reduce Costs

FM142 Reviewing the Concepts of Managing Input Costs

FM143 Managing the Cost of Financing Purchases

Making Production Decisions

FM105 Finding Sources for Management Information

FM106 Using Cooperative Extension for Management Information

FM121 Finding Useful Weather Forecasts

FM122 Understanding Growing Degree Days

FM123 Adjusting Operations to Weather Changes

[FM150 Deciding To Diversify or Specialize](http://localhost/EZ/subs/fm150.shtml)

FM151 Selecting a Profitable Combination of Crops

FM152 Selecting Profitable Livestock Enterprises

FM153 Deciding When To Expand an Enterprise

FM154 Deciding When To Expand a Dairy Herd

FM155 Deciding When To Buy and Finish Feeder Pigs

FM156 Deciding When To Feed More Cattle

FM157 Game Farms and Other Alternative Enterprises

FM158 Choosing Organic Vs. Conventional Farming

Estimating Production Costs

FM161 Cost of Producing Corn

FM162 Cost of Producing Grain Sorghum

FM163 Cost of Producing Oats

FM164 Cost of Producing Barley

FM165 Cost of Producing HRW Wheat

FM166 Cost of Producing SRW Wheat

FM167 Cost of Producing Spring, Durum and Other Classes of Wheat

FM168 Cost of Producing Rice

[FM169 The Cost of Producing Cotton](http://localhost/EZ/subs/fm169.shtml)

[FM170 Cost of Producing Soybeans](http://localhost/EZ/subs/fm170.shtml)

[FM171 Cost of Producing Sunflowers](http://localhost/EZ/subs/fm171.shtml)

[FM172 Cost of Producing Flaxseed and Canola](http://localhost/EZ/subs/fm172.shtml)

[FM173 Cost of Producing Sugar Beets](http://localhost/EZ/subs/fm173.shtml)

[FM174 Cost of Producing Sugarcane](http://localhost/EZ/subs/fm174.shtml)

[FM175 Cost of Producing Potatoes](http://localhost/EZ/subs/fm175.shtml)

FM176 Cost of Producing Tree Fruit

FM177 Cost of Producing Grapes

FM178 Cost of Raising Farrow-to-Finish Hogs

FM179 Cost of Producing or Finishing Feeder Pigs

FM180 Cost of Producing Feeder Calves

FM181 Cost of Feeding Cattle

FM182 Cost of Producing Milk

FM183 Cost of Producing Sheep

Farm Safety

SF001 Safety Issues: Silo Gas

SF002 Protecting Children From Farm Accidents

SF003 Preventing Farm Fires

SF004 Portrait of a Farm Accident

[SF005 Static Electricity and Refueling Dangers](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\sf005.htm)

[SF006 Safety First with Anhydrous Ammonia](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\sf006.htm)

[SF007 Keeping Safe From Weather Problems](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\sf007.htm)

SF008 Personal Protective Equipment (PPE)

**FFA & Leadership Library**

Personal Finance

[PF001 Planning Personal Spending](http://localhost/subs/pf001.shtml)

[PF002 Saving To Meet Your Goals](http://localhost/subs/pf002.shtml)

[PF003 Earning Money](http://localhost/subs/pf003.shtml)

[PF004 Using Financial Institutions To Manage Your Spending](http://localhost/subs/pf004.shtml)

[PF005 The Role of Credit](http://localhost/subs/pf005.shtml)

[PF006 Credit Card Basics](http://localhost/subs/pf006.shtml)

[PF007 The Problem of Identity Theft](http://localhost/subs/pf007.shtml)

[PF008 Saving Money on Food](http://localhost/subs/pf008.shtml)

Leadership

[LS101 What It Means To Be a Leader](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ls101.htm)

[LS102 How To Choose Your Leaders](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ls102.htm)

[LS103 How You Can Learn To Be a Leader](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ls103.htm)

[LS104 What Leaders Need To Know About People](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ls104.htm)

[LS105 How Successful Leaders Motivate People](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ls105.htm)

[LS106 How You Can Improve Your Leadership Skills](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ls106.htm)

[LS107 What Leaders Need To Know About Communication](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ls107.htm)

[LS108 Learning to Speak and Write Effectively](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ls108.htm)

[LS109 How Leaders Keep Themselves Informed](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ls109.htm)

[LS110 Using "Teams" To Reach Your Goals](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ls110.htm)

[LS111 Leading the Team Toward Its Goals](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ls111.htm)

[LS112 Taking the Lead in Your Group or Community](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\ls112.htm)

LS120 Writing a News Story

LS121 Writing a Press Release

Ethical Communication Skills

LS130 Ethics: What's It All About?

LS131 Safe and Responsible Internet Use

LS132 Choosing Good Internet Sources

LS133 The Power of Polished Presentations

LS134 Basic Copyright Concepts

LS135 Understanding Fair Use of Copyrighted Material

LS136 Plagiarism

LS137 The Power of Seeing

LS138 Communicating Through Photo Stories

LS139 Communicating Through PowerPoints®

National FFA

[NFFA01 History of the FFA](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\nffa01.htm)

[NFFA02 Standards of an FFA Member](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\nffa02.htm)

[NFFA04 FFA Official Dress](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\nffa04.htm)

[NFFA05 The FFA Creed](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\nffa05.htm)

[NFFA06 The FFA Degrees](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\nffa06.htm)

[NFFA07 Your Supervised](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\nffa07.htm) Agricultural Experience (SAE)

**FOOD SCIENCE Library**

Beginning Lessons

FS001 Understanding Food Labels

FS002 Breakdown of the Nutritional Facts Panel

FS003 Understanding USDA's MyPyramid

FS004 Understanding Food Additives

FS005 Food Front Labeling and Advertisements

FS006 Food Packaging and Prices

FS007 Dietary Guidelines for Americans

FS008 Understanding the MyPlate Graphic

Food Production and Processing

FS101 Overview of the Food Industry

FS102 Chemistry of Foods

FS103 Nutrition and Digestion

FS104 Common Unit Operations in Food Processing

FS105 Quality Factors in Foods

FS106 Avoiding Food Deterioration

FS107 Heat Preservation and Processing

FS108 Cold Preservation and Processing

FS109 Food Dehydration and Concentration

FS110 Processing Foods With Radiant and Electrical Energy

FS111 Fermentation in Food Production

FS112 Maintaining Quality Milk Production

FS113 Dairy Products

FS114 Meat Production, Grading and Tenderness

FS115 Meat Preparation and Processed Meats

FS116 Poultry Production

FS117 Egg Production

FS118 Fish and Shellfish as Food Source

FS119 Fats and Oils in Food Products

FS120 Grains and Legumes in Cereal and Baking

FS121 Processing Wheat, Corn and Other Grains

FS122 Fruits and Vegetables

FS123 Beverage Production

FS124 Confectionery and Chocolate Products

Food Production Safeguards

FS125 Food Packaging

FS126 Wastewater and Food Processing

FS127 Food Safety

FS128 Governmental Regulation and Nutrition Labeling

**Horticulture Library**

Landscaping

HT001 Starting on Landscape Planning and Design

HT002 Selecting Plants for Your Yard

HT003 Introduction to Hardscape Materials

HT004 Introduction to Turf Grasses

HT005 Turf Care: Mowing, Watering and Fertilizing

HT006 Controlling Turf Weeds, Diseases and Insects

HT007 Planting New Turf

Urban Horticulture

[HT301 What Is Urban Horticulture?](http://localhost/subs/ht301.shtml)

[HT302 Sustainability in the Urban Landscape](http://localhost/subs/ht302.shtml)

[HT303 Using Native Plants](http://localhost/subs/ht303.shtml)

[HT304 Selecting Urban Trees](http://localhost/subs/ht304.shtml)

[HT305 Tree City USA](http://localhost/subs/ht305.shtml)

[HT306 Community Supported Agriculture](http://localhost/subs/ht306.shtml)

[HT307 Community Involvement in Urban Horticulture](http://localhost/subs/ht307.shtml)

HT126 Gardening in Containers and Small Spaces

Floral Design

HT040 Emergency Planning for the Floral Shop

HT041 Daily Safety in the Floral Shop

HT042 Floral Design Tools and Supplies

HT043 Selection of Wire and Wiring Techniques Used in Floral Design

HT021 Basic Steps To Creating Floral Arrangements

HT022 Understanding the Elements of Floral Design

HT023 Learning To Use Floral Design Principles

HT024 Designing Floral Arrangements

HT044 Dynamics of Color in Floral Design

HT045 Boutonnieres and Floral Pocket Squares

HT046 Creating a Corsage

HT018 Care and Handling of Cut Flowers

HT019 Drying Flowers To Expand Your Markets

HT020 Forcing Flowers and Bulbs To Bloom Early

Floriculture

HT011 The Basics of Cut Flower Production

HT012 Getting Started With Field-Grown Cut Flowers

HT013 Growing Flowers for Cutting and Drying

HT014 Controlling Weeds in Field-Grown Cut Flowers

HT015 About Insects That Attack Cut Flowers

HT016 Controlling Insects in Field-Grown Flowers

HT017 Diagnosis and Control of Floral Crop Damage

HT025 Learning About Chrysanthemums

HT026 Growing Potted Mums

HT027 Growing Hardy Fall Mums

HT028 Controlling Growth of Mums

HT029 Growing Greenhouse Poinsettia Plants

HT030 The Care, Feeding and Marketing of Poinsettia Plants

HT201 Comparing Markets for Flowers and Plants

HT203 Improving Your Plant and Flower Business

HT204 Merchandising Flowers Through Supermarkets

HT205 Displaying Flowers To Attract Buyers

HT206 Building a Successful Floral Sales Team

HT207 Getting Started in Plant and Floral Sales

HT208 Sharpening Your Floral Sales Skills

Ornamentals

HT008 The Basics of Bedding Plant Production

HT009 The Basics of Perennial Plant Production

HT010 Choosing Perennial Growing Methods

Greenhouse Technology

HT210 Choices To Make When Building a Greenhouse

HT211 Selecting a Greenhouse Growing Medium

HT212 Managing pH of Greenhouse Growing Media

HT213 Feeding Greenhouse Plants

HT214 Guides to Nutrient Deficiency in Plants

HT215 Understanding Micronutrients

HT216 Managing Greenhouse Micronutrients

HT217 Balancing Greenhouse Micronutrients

HT218 Calculating PPM for Greenhouse Applications

HT219 Irrigation of Greenhouse Plants

HT220 Understanding Irrigation Water Quality

HT221 Correcting Irrigation Water Quality

HT222 Managing Water Quality Problems

HT223 Balancing Air, Water and Media for Plants

HT224 Controlling Greenhouse Weeds

HT225 Controlling Height of Greenhouse Plants

HT226 Regulating Growth of Greenhouse Crops

HT227 Managing Greenhouse Insects

HT228 Using IPM for Greenhouse Production

HT229 Guide to Scouting Greenhouse Pests

HT230 Identifying Major Greenhouse Pests

HT231 Biological Control of Greenhouse Pests

HT232 Controlling Major Greenhouse Insects

HT233 Understanding Greenhouse Pesticides

HT234 How To Diagnose Plant Disease Problems

Hydroponics

HT151 Introduction to Hydroponic Crop Production

HT152 Feeding Hydroponic Plants

HT153 Hydroponic Growing Mediums

HT154 Water Culture Hydroponics Systems

HT155 Aggregate Culture Hydroponics Systems

Fruits

HT112 Introduction to Apple Production

HT113 Introduction To Pear Production

HT128 Getting Started Growing Strawberries

HT129 Training and Maintaining Strawberries

HT130 Getting Started Growing Raspberries

HT131 Training and Maintaining Raspberries

HT132 Getting Started Growing Blueberries

HT133 Caring for Blueberry Bushes

Garden Preparation

HT120 Starting A Home Vegetable Garden

HT121 Understanding Garden Soils

HT122 Composting for Beginners

HT123 Fertilizing Soil To Feed Garden Plants

HT124 Controlling Home Garden Pests

HT125 Selecting Vegetables for Your Home Garden

HT127 Using Intensive Gardening Techniques

HT142 Garden Mulching

Fruit and Vegetable Marketing

HT160 Sources of Produce Market Facts

HT161 Understanding Produce Market Reports

HT170 Finding Markets for Fruit

HT171 Understanding Sources of Fruit Supply

HT172 Understanding Fruit Demand

HT173 Understanding Fruit Market Prices

HT174 Value of Fruit Market Information

HT270 Identifying Fruit Market Routes

HT271 Planning Fruit Market Routes

HT272 Understanding the Outlook for Fruit Crops

HT273 Making Fruit Market Pricing Decisions

HT177 Understanding Vegetable and Potato Supplies

HT178 Understanding Demand for Vegetables and Potatoes

HT179 Understanding Potato and Vegetable Market Prices

HT280 Identifying Potato and Vegetable Market Routes

HT281 Planning Vegetable Market Routes

HT282 Potato and Vegetable Marketing Decisions

**large animal science Library**

General

LA001 Livestock Performance Data

LA002 Livestock Growth and Development

LA003 Marketing Livestock

LA004 Livestock Breeding Systems

LA005 Farm Animal Reproductive Physiology

LA006 Biotechnology in the Livestock Industry

LA007 Biosecurity and Healthy Livestock

LA008 Livestock Rations and the Net Energy System

LA009 Ruminant Nutrition

LA010 Nonruminant Nutrition

LA011 Manure and Nutrient Management

LA012 Sources and Control of Livestock Odors

LA013 Handling Livestock

LA014 The Role of Hormones in Improving Animal Reproduction

LA015 Quality Assurance

LA016 Show Ring Ethics and Sportsmanship

Large Animal Environmental Topics

LA030 Permitting Requirements for Large Livestock Operations

LA031 Locating a Large-Scale Livestock Operation To Reduce Odor Conflict

LA032 Factors Affecting Livestock Odor Perception

LA033 Measuring Odors From Livestock Operations

LA034 Ammonia Emissions From Livestock Facilities

LA035 Manure Storage and Handling

LA036 Reducing Nutrient Excretion From Livestock

LA037 Emergency Action Plans for Livestock Producers

LA038 Community Relations for Large Livestock Operations

LA039 Monitoring for Environmental Stewardship

LA040 Alternative Manure Uses

LA041 Water Usage for Livestock Operations

Swine

LA110 The Swine Industry

LA111 Breeds of Swine

LA112 Selecting Feeder Pigs

LA113 Raising and Selling Market Hogs

LA114 Market Hog Nutrition

LA115 Nutrition for Gestating and Lactating Sows

LA116 Nutrition for Weaned Pigs

LA117 Swine Health

LA118 Estrous Synchronization and Heat Detection for Swine

LA119 Artificial Insemination in Swine

LA120 Gilt Management

LA121 Selecting Breeding Stock

LA122 Confinement Vs. Open Housing for Hogs

LA124 Providing Space for Healthy Hogs

LA125 Genetic Evaluation in Pork Production

LA126 Managing a Swine Breeding Herd

LA127 Farrowing Management

LA210 Swine Efficiency Factors

LA211 Pig Flow in Large-scale Swine Operations

LA212 Components of a Swine Finishing Contract

LA213 Marketing Hogs in the 21st Century

Sheep

LA130 The Sheep Industry

LA131 Sheep Breeds

LA132 Selecting Feeder Lambs

LA133 Marketing Lambs and Wool

LA134 Nutrition of Lambs

LA135 Raising Show Lambs

LA136 Nutrition of the Ewe Flock

LA137 Sheep Health

LA138 Sheep Breeding

LA139 Wool and Wool Products

LA140 Artificial Insemination in Sheep

LA141 Sheep Efficiency Factors

Goats

[LA060 Goats as Another Livestock Option](http://localhost/subs/la060.shtml)

[LA061 Goat Breeds](http://localhost/subs/la061.shtml)

[LA062 Raising Goats for Meat](http://localhost/subs/la062.shtml)

[LA063 Raising Dairy Goats](http://localhost/subs/la063.shtml)

[LA064 Raising Goats for Fiber](http://localhost/subs/la064.shtml)

[LA065 Goat Feeding and Nutrition](http://localhost/subs/la065.shtml)

[LA066 Goat Herd Health and Housing](http://localhost/subs/la066.shtml)

[LA067 Goat Reproduction and Efficiency Factors](http://localhost/subs/la067.shtml)

[LA068 Marketing Goat Meat, Milk, Fiber and Other Products](http://localhost/subs/la068.shtml)

Beef

LA150 The Beef Industry

LA151 Beef Breeds

LA152 Selecting Feeder Cattle

LA153 Raising and Selling Market Cattle

LA154 Nutrition of Market Cattle

LA155 Nutrition of the Cow Herd

LA156 Weaning Management

LA157 Beef Cattle Health

LA159 Improving Beef Cow Reproduction

LA160 Getting Beef Calves Started on Feed

LA161 Nutrition of Growing and Finishing Cattle

LA162 Guides to Beef Cattle Feed Bunk Management

LA163 Using Growth Promotants for Cattle

LA164 Understanding BSE, or Mad Cow Disease

LA165 Beef Efficiency Factors

Beef/Dairy

LA170 Estrous Synchronization and Heat Detection in Cattle

LA171 Artificial Insemination in Cattle

LA172 Calving Management

LA173 Heifer Development and Management

LA174 Understanding Cattle Handling Psychology

LA176 Detecting Heat To Improve AI Success

LA177 Bovine Semen Collection and Processing

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LA180 The Dairy Industry

LA181 Dairy Breeds

LA182 Feedstuffs for Dairy Production

LA183 Lactation Nutrition

LA184 Dry Cow Management

LA185 The Lactation Curve

LA186 Milking Protocol

LA187 Dairy Herd Health

LA188 Dairy Herd Reproduction

LA189 Milk and Milk Products

LA190 Understanding the Components of Milk

LA191 Milking Machine Maintenance

LA192 Responsible Drug Use for Dairy Cows

LA193 The Art of Herdsmanship

LA194 Dairy Efficiency Factors

Evaluation and Exhibition

LA301 Logistics of Livestock Judging Contests

LA302 Logistics of Skillathon Contests

LA303 Livestock Terminology

LA304 Oral Reasons in Livestock Judging

LA305 Logistics of Meats Judging Contests

LA306 Terminology for Meats Judging Contests

LA307 Identifying Meat Cuts

LA308 Yield and Quality Grading of Beef Carcasses

LA309 Hog Carcass Evaluation

LA310 Lamb Carcass Evaluation

LA311 Reasons in Meats Judging Contests

LA312 Logistics of Dairy Judging Contests

LA313 Using the Unified Dairy Cow Scorecard

LA314 Body Condition Scoring in Dairy and Livestock

LA315 Logistics of Livestock Shows

LA316 Preparing and Exhibiting Market Beef Cattle

LA317 Preparing and Exhibiting Market Lambs

LA318 Preparing and Exhibiting Market Swine

LA319 Logistics and Preparation for a Junior Livestock Sale

LA320 Preparing and Exhibiting Dairy

[LA321 Preparing and Exhibiting Dairy Goats](http://localhost/subs/la321.shtml)

[LA322 Preparing and Exhibiting Meat Goats](http://localhost/subs/la322.shtml)

**Marketing Library**

MK100 Marketing Library Guide

Understanding Markets - Introductory

MK101 What Is Agricultural Marketing?

MK102 The ABCs of Supply, Demand and Price

MK103 Finding Market Alternatives for Grain

MK104 Finding Market Alternatives for Livestock

MK105 The Value of Grain Market Information

MK106 The Value of Livestock Market Information

MK107 The Value of Cotton Marketing Information

MK108 Understanding Ag Market Pricing Tools

Understanding Markets - Futures

MK109 Understanding Futures Prices

MK110 How Futures Contracts Are Traded

MK111 Linking Cash and Futures Markets

MK112 Understanding Volume and Open Interest

MK113 Reasons for Trading in Futures

MK114 Getting Started Trading Futures

MK115 Placing Orders To Buy or Sell Futures

MK116 Using Futures To Set Commodity Price

Understanding Markets - Options

MK117 Understanding Options Prices

MK118 Understanding Options Terms

MK119 How Options Are Priced

MK120 Why Buy or Sell Options?

MK121 Calculating Options Hedging Results

MK122 Pricing with Options Vs. Futures

Understanding Crop Prices

MK201 Finding Grain and Cotton Market Information

MK202 Understanding Cash Grain Prices

MK203 Understanding Spot Cotton Prices

MK204 How Crop Reports Influence Prices

MK205 Understanding Grain Market Supply

MK206 Understanding Cotton Supply

MK207 How Export Reports Influence Prices

MK208 Understanding Grain Market Demand

MK209 Understanding Cotton Demand

MK210 Balancing Grain and Soybean Supply-Demand

MK211 Understanding Cotton Supply-Demand Balance

MK212 Tracking World Grain and Oilseed Markets

MK213 Tracking World Cotton Markets

MK214 The Impact of Weather on Crop Prices

Understanding Livestock Prices

MK251 Finding Livestock Market Information

MK252 Understanding Cash Livestock Prices

MK253 Understanding Cattle Supply

MK254 Understanding Hog Supply

MK255 Understanding Dairy Cattle Supply

MK256 Understanding Milk Supply

MK257 Understanding Sheep and Lamb Supply

MK258 Understanding Cattle Demand

MK259 Understanding Hog and Feeder Pig Demand

MK260 Understanding Dairy Cattle Demand

MK261 Understanding Milk Demand

MK262 Understanding Lamb Demand

MK263 Balancing Meat Supply With Demand

MK264 Balancing U.S. Milk Supply With Demand

MK265 Balancing Wool Supply With Demand

MK266 The Impact of Weather on Livestock Prices

Using Futures and Options Markets

MK301 Using Basis in Grain Marketing

MK302 Using Basis in Livestock Marketing

MK303 Using Basis in Cotton Marketing

MK304 How Grain Farmers Use Futures

MK305 How Livestock Farmers Use Futures

MK306 How Cotton Growers Use Futures

MK307 Pricing Grain Before It's Produced

MK308 Using Options To Price Growing Crops

MK309 Pricing Grain Held in Storage

MK310 Using Options To Price Stored Crops

MK311 Pricing Cotton Before It's Produced

MK312 Using Options To Price Cotton

MK313 Pricing Cotton Held in Storage

MK314 Earn Price Gains After Selling Cotton

MK315 Cross Hedging Grain Sorghum in Corn Futures

MK316 Selective Pricing of Grain Crops

MK317 Selling Options To Increase Prices

MK318 Using Options To "Repurchase" Crops

MK319 Pricing Fed Cattle Before Buying Feeders

MK320 Pricing Hogs Before Buying Feeders

MK321 Pricing Cattle and Hogs While on Feed

MK322 Locking in Cattle Feeding Profit Margins

MK323 Selective Pricing of Cattle and Hogs

MK324 Pricing Feeder Cattle Purchases

MK325 Hedging Feed Purchases on Futures

MK326 Using Options To Price Purchases

MK327 Pricing Milk Before It's Produced

Marketing Decisions - Crops

MK401 Selecting Markets for Grain and Soybeans

MK402 Selecting Markets for Cotton

MK403 Selecting Cash Grain Market Routes

MK404 Selecting Cotton Market Routes

MK405 Making Grain and Soybean Storage Decisions

MK406 Locking in Grain or Soybean Storage Profits

MK407 Understanding the Market Outlook for Crops

MK408 Using Technical Analysis To Forecast Prices

MK409 Making Crop Pricing Decisions

MK410 Where To Get Crop Marketing Advice

Marketing Decisions - Livestock

MK421 Selecting Markets for Cattle

MK422 Selecting Markets for Hogs

MK423 Selecting Markets for Dairy Cattle

MK424 Selecting Markets for Sheep, Lambs and Wool

MK425 Moving Cattle and Hogs to Market

MK426 Planning Livestock Market Routes

MK427 Understanding Market Outlook for Hogs

MK428 Understanding the Market Outlook for Cattle

MK429 Making Cattle Marketing Decisions

MK430 Making Hog Market Decisions

MK431 Marketing Feeder Pigs

MK432 Marketing Dairy Beef

MK433 Marketing Sheep and Lambs

MK434 Sources of Livestock Marketing Advice

Market Planning

MK451 Why Plan Marketing?

MK452 Getting Started on Market Planning

MK453 Five Basic Steps to Market Planning

MK454 Projecting Costs for Market Planning

MK455 What Prices Can You Expect for Your Plan?

MK456 How To Forecast a Selling Price Range

MK457 Consider Pricing and Storage Alternatives

MK458 Putting Your Plan on Paper

MK459 Carrying Out Your Plan

MK460 Following Trends To Trigger Pricing

MK461 Using Crop Reports With Pricing Plans

MK462 Adjusting Plans To Weather Changes

MK463 Plan Before Buying or Selling Cattle

MK464 Plan Before Buying Feeders or Selling Hogs

MK465 Adjusting Plans With Meat Reports

MK466 Adjusting Plans With Cattle on Feed Reports

MK467 Adjusting Plans With Hogs and Pigs Reports

MK468 Why Plan When Using an Advisory Service?

MK469 Understanding Advisory Information

MK470 Planning With Advisory Information

MK471 Using Market Scenario Planning℠

**Natural Resource Systems Library**

Natural Science

NR001 Environment, Ecology and Ecosystem Defined

NR002 Understanding Nature's Food System

NR003 What Makes Ecosystems Work?

NR004 Finding and Managing U.S. Ecosystems

NR005 The Importance of Grasslands

NR006 The Place of U.S. Forests

NR007 Streams, Rivers, Lakes and Oceans

NR008 Understanding Wetlands

NR009 The Place of Humans in Ecosystems

NR010 Understanding the Biosphere Where We Live

NR011 Population Growth and Our Environment

NR012 How Americans Use Land Resources

NR013 Understanding Soil and Land Use

NR014 Making Land Use Decisions

NR015 The Value and Cost of Quality Water

NR016 Defining and Understanding Water Quality

NR017 The Human Impact on Water Quality

NR018 Understanding Water Quality Regulations

NR019 Protecting Water Quality

NR020 Protecting Water From Nitrate Pollution

NR021 Protecting Water From Phosphorus Pollution

NR022 Protecting Water From Household Chemicals

NR023 Understanding Groundwater Systems

NR024 Groundwater Contamination

NR026 The Importance of Clean, Healthy Air

NR027 How Air Becomes Polluted

NR028 Understanding Acid Rain

NR029 How Air Quality Is Regulated

NR030 Understanding and Managing Waste

NR031 Recycling and Reducing Municipal Solid Waste

NR032 Disposing of Solid Waste

NR033 Disposal of Sewage and Liquid Waste

Wildlife

NR034 Understanding the Value of Wildlife

NR035 What Is an Endangered Species?

NR036 Understanding Wildlife Habitat

NR037 Managing Woodlands for Wildlife

NR038 Managing CRP Land for Wildlife

NR039 Attracting Wildlife on Small Acreage

NR040 Controlling Deer Damage

NR041 Protecting Gardens From Rabbits

NR042 Saving America's Endangered Fish

NR043 Understanding Pacific Salmon

NR045 Restoration of the Trumpeter Swan

[NR046 Causes of Animal Wildlife Population Losses](file:///C:\program%20files\qualcomm\eudora%20mail\Documents%20and%20Settings\kmuth\Local%20Settings\Temporary%20Internet%20Files\OLK8D\nr046.htm)

[NR047 Tips for Observing Wildlife in the Forest](file:///C:\program%20files\qualcomm\eudora%20mail\Documents%20and%20Settings\kmuth\Local%20Settings\Temporary%20Internet%20Files\OLK8D\nr047.htm)

[NR048 Who Lives in This Forest?](file:///C:\program%20files\qualcomm\eudora%20mail\Documents%20and%20Settings\kmuth\Local%20Settings\Temporary%20Internet%20Files\OLK8D\nr048.htm)

NR049 Learning About Venomous Snakes

Going Green

NR060 The History and Uses of Paper

NR061 Making Pulp From Recycled Materials

NR062 Making Pulp From Plant Materials

NR063 Basic Papermaking Techniques

NR064 Advanced Papermaking Techniques

Agriculture and Environment

NR101 How Agriculture Provides for Human Needs

NR102 Agriculture's Impact on Our Environment

NR103 Effects of Agricultural Pollutants

NR204 Understanding Nonpoint Pollution

NR105 Defining and Understanding Soil Resources

NR106 Understanding Soil Texture and Structure

NR107 Understanding Soil Erosion and Degradation

NR108 Basics of Soil Erosion Control

NR109 Making and Using Farm Conservation Plans

NR120 The Value of Chemicals Used in Farming

NR121 Understanding the Nature of Ag Chemicals

NR122 Reducing the Risk of Using Chemicals

NR123 The Risk of Pesticides in Groundwater

NR124 Understanding Ag Chemical Regulations

NR125 An Introduction to Sustainable Agriculture

NR132 Farm Practices To Improve Water Quality

NR135 Protecting Private Rural Well Water

NR136 Protecting Honeybees From Pesticides and Other Risks

NR137 Natural Methods of Insect Control

NR138 Merits of Mechanical Weed Control

NR139 Using Wind Energy

Renewable and Alternative Energy Sources

[NR150 Meeting Future Energy Needs](http://localhost/EZ/subs/nr150.shtml)

[NR151 Exploring Renewable and Alternative Energy Sources](http://localhost/EZ/subs/nr151.shtml)

[NR152 Harnessing Solar Power](http://localhost/EZ/subs/nr152.shtml)

[NR153 The History and Development of Wind Power](http://localhost/EZ/subs/nr153.shtml)

[NR154 Wind Power for Farms, Homes and Communities](http://localhost/EZ/subs/nr154.shtml)

[NR155 Ethanol and Other Alternative Fuels](http://localhost/EZ/subs/nr155.shtml)

[NR156 Energy-Efficient Buildings and Facilities](http://localhost/EZ/subs/nr156.shtml)

NR157 Paying for Energy Projects

U.S. Forests and Forestry

NR175 Understanding Our Forest Resources

NR176 Forest Regions and Types of Trees

NR177 Identifying the Trees in Your Forest

NR178 Understanding the Threats to Our Forest Resources

NR179 Preventing and Controlling Wildfire Losses

Forest Management

NR180 History of Modern Forest Management

NR181 Understanding Best Management Practices

NR182 Planning for Multiple Use of Forests

NR183 Planting Trees To Start or Renew a Forest

NR184 Managing Southern Pines

NR185 Managing Aspen Forests for Wood and Wildlife

NR186 Forest Stand Improvement Practices

NR187 The Purpose and Practice of Thinning Forests

NR188 The Purpose and Practice of Pruning Forest Trees

NR189 Planning Roads for Forest Operations

NR190 Using Fire To Manage a Forest

NR191 Using a Compass or GPS in Forest Management

NR192 Managing Forest Pests and Diseases

Forest Harvest and Marketing

NR193 Deciding When and How To Harvest Trees

NR194 Best Management Harvesting Practices

NR195 Learning To "Cruise" Standing Timber

NR196 Measuring Volume of Logs or Pulpwood

NR197 Marketing Your Timber

**Organic Library**

Basic Concepts

[OR101 History and Principles of Organic Agriculture](http://localhost/EZ/subs/or101.shtml)

[OR102 What Is a Certified Organic Farm?](http://localhost/EZ/subs/or102.shtml)

[OR103 What To Consider Before Becoming an Organic Farmer](http://localhost/EZ/subs/or103.shtml)

[OR104 Finding Markets for Organic Products](http://localhost/EZ/subs/or104.shtml)

[OR105 Making the Transition to Organic Agriculture](http://localhost/EZ/subs/or105.shtml)

[OR106 How To Become a Certified Organic Producer](http://localhost/EZ/subs/or106.shtml)

Organic Management

[OR107 Selecting Organic Farming Enterprises](http://localhost/EZ/subs/or107.shtml)

[OR108 Basic Soil Management for Organic Farms](http://localhost/EZ/subs/or108.shtml)

[OR109 Plant Nutrients for Organic Crops](http://localhost/EZ/subs/or109.shtml)

[OR110 Tillage Options for Organic Crops](http://localhost/EZ/subs/or110.shtml)

[OR111 Weed Management for Organic Growers](http://localhost/EZ/subs/or111.shtml)

[OR112 Organic Insect and Plant Disease Control](http://localhost/EZ/subs/or112.shtml)

Producing Organic Crops

[OR113 Planning Organic Crop Rotations](http://localhost/EZ/subs/or113.shtml)

[OR114 Growing Organic Vegetables](http://localhost/EZ/subs/or114.shtml)

[OR115 Growing Organic Tomatoes](http://localhost/EZ/subs/or115.shtml)

[OR116 Producing Organic Tree Fruit and Nuts](http://localhost/EZ/subs/or116.shtml)

[OR117 Producing Organic Berries](http://localhost/EZ/subs/or117.shtml)

[OR118 Growing Organic Alfalfa](http://localhost/EZ/subs/or118.shtml)

[OR119 Growing Organic Corn or Small Grains](http://localhost/EZ/subs/or119.shtml)

[OR120 Growing Organic Soybeans](http://localhost/EZ/subs/or120.shtml)

[OR121 Growing Organic Rice](http://localhost/EZ/subs/or121.shtml)

Producing Organic Livestock Products

[OR122 Planning Organic Animal Enterprises](http://localhost/EZ/subs/or122.shtml)

[OR123 Producing Organic Milk](http://localhost/EZ/subs/or123.shtml)

[OR124 Producing and Marketing Organic Beef](http://localhost/EZ/subs/or124.shtml)

[OR125 Producing and Marketing Organic Pork](http://localhost/EZ/subs/or125.shtml)

[OR126 Producing Organic Eggs, Broiler Chickens or Turkeys](http://localhost/EZ/subs/or126.shtml)

**POULTRY SCIENCE LIBRARY**

Introductory

PT101 History and Growth of U.S. Poultry Industries

PT102 History and Development of Poultry Science

Poultry Science

PT103 Basic Avian Anatomy and Biology

PT104 Poultry Reproductive Systems

PT105 The Avian Egg, Fertilization and Embryo Development

PT106 Incubation and Hatching Systems

PT107 Poultry Species, Breeds and Varieties

PT108 Common Poultry Diseases and Parasites

PT109 Preventing Contagious Poultry Diseases

PT110 Biotechnology in Poultry Science

Poultry Production Systems

[PT111 Considering Poultry Production Alternatives](http://localhost/EZ/subs/pt111.shtml)

[PT112 Planning Poultry Housing and Equipment Systems](http://localhost/EZ/subs/pt112.shtml)

[PT113 Nutrition and Feeding of Poultry Flocks](http://localhost/EZ/subs/pt113.shtml)

[PT114 Health Management of Poultry Flocks](http://localhost/EZ/subs/pt114.shtml)

[PT115 Managing Waste From Poultry Operations](http://localhost/EZ/subs/pt115.shtml)

[PT116 Safety Issues in Poultry Production](http://localhost/EZ/subs/pt116.shtml)

Marketing Poultry Products

[PT117 Finding Poultry Market Information](http://localhost/EZ/subs/pt117.shtml)

[PT118 Understanding Poultry Production Contracts](http://localhost/EZ/subs/pt118.shtml)

[PT119 How Poultry and Eggs Are Inspected and Graded](http://localhost/EZ/subs/pt119.shtml)

[PT120 Meeting Consumer Demands and Concerns](http://localhost/EZ/subs/pt120.shtml)

[PT121 Developing Niche Markets for Small Poultry Producers](http://localhost/EZ/subs/pt121.shtml)

**RISK MANAGEMENT Library**

RM100 Risk Management Library Guide

Understanding Risk Management

RM001 Understanding Personal and Business Risk

RM002 Understanding the Risks in Farming

RM003 Why Are Farm and Ranch Risks Rising?

RM004 Understanding How Risk Is Managed

RM005 Measuring the Level of Risk You Face

RM006 Finding and Using Risk Management Information

RM007 Making Risk Management Decisions

Managing Production Risks

RM008 Understanding Ag Production Risk

RM108 Reviewing the History of Crop Yield Variations

RM208 Using Proven Risk-Reducing Crop Practices

RM308 Discovering New Yield Risk-Reducing Technologies

RM009 Adopting Precision Farming Strategies

RM010 Understanding the Global Positioning System

RM011 Using the GPS To Collect Information

RM012 Understanding Geographic Information Systems

RM013 Understanding Weather Risks

RM014 Finding and Using Weather Information

RM114 Understanding Uncle Sam's Safety Nets

RM015 Using Crop Insurance To Manage Risk

RM115 New, Improved Crop Insurance Tools

RM016 Using Multiple Peril Crop Insurance

RM017 Using Crop Revenue Insurance

RM018 Making Crop Insurance Decisions

RM019 Comparing Crop Insurance Choices

Managing Market Risks

RM021 Understanding Price Risk

RM022 Understanding Market Risk Management Tools

RM023 Comparing Cash Grain Contracts

RM024 Using Market Tools To Manage Price Risk

RM025 Combining Price Risk Management Tools

RM026 Planning Combinations of Risk Management Tools

Managing Legal and Financial Risks

RM027 Financial Risks Faced by Farmers

RM127 Making Farm Financial Plans

RM227 Adjusting for Farm Business Risks

RM028 Understanding Cash Flow Risk

RM029 Managing Your Cash Flow Risks

RM030 Understanding Your Financial Strength

RM031 Managing Financial Risk

RM032 Understanding Legal Risks in Farming

RM033 Legal Risks in Grain Contracts

RM034 Managing Legal Risks When Marketing Grain

RM035 Managing Legal and Human Resource Risks

**Small Animal science Library**

Introduction to Small Animals

SA101 Classifying Small Animals

SA201 Introduction to Small Animal Use

Dogs and Cats

SA102 Dog Breeds, Housing and Equipment

SA103 Dog Health and Reproduction

SA104 Dog Care and Handling

SA105 Cat Breeds, Housing and Equipment

SA106 Cat Health and Reproduction

SA107 Cat Care and Handling

Specialty Small Mammals

SA108 Rabbit Breeds, Housing and Equipment

SA109 Rabbit Health and Reproduction

SA110 Rabbit Care and Handling

SA111 Hamster Breeds, Housing and Equipment

SA112 Hamster Health and Reproduction

SA113 Hamster Care and Handling

SA114 Gerbil Breeds, Housing and Equipment

SA115 Gerbil Health and Reproduction

SA116 Gerbil Care and Handling

SA117 Rat Groupings, Housing and Equipment

SA118 Rat Health and Reproduction

SA119 Rat Care and Handling

SA120 Mouse Groupings, Housing and Equipment

SA121 Mouse Health and Reproduction

SA122 Mouse Care and Handling

SA123 Guinea Pig Breeds, Housing and Equipment

SA124 Guinea Pig Health and Reproduction

SA125 Guinea Pig Care and Handling

SA126 Chinchilla Groups, Housing and Equipment

SA127 Chinchilla Health and Reproduction

SA128 Chinchilla Care and Handling

SA129 Ferret Groups, Housing and Equipment

SA130 Ferret Health and Reproduction

SA131 Ferret Care and Handling

SA154 Administering Drugs to Small Animals

SA132 Nonhuman Primate Groups, Housing and Equipment

SA133 Nonhuman Primate Nutrition, Health and Reproduction

SA134 Nonhuman Primate Care and Handling

SA141 Miniature Livestock Groups, Housing and Equipment

SA142 Miniature Livestock Health and Reproduction

SA143 Miniature Livestock Care and Handling

More Small Animals

SA135 Amphibian Groups, Housing and Equipment

SA136 Amphibian Nutrition, Health and Reproduction

SA137 Amphibian Care and Handling

SA138 Reptile Groups, Housing and Equipment

SA139 Reptile Health and Reproduction

SA140 Reptile Care and Handling

SA144 Fish Classification, Housing and Equipment

SA145 Fish Health and Reproduction

SA146 Fish Care and Handling

SA147 Bird Groups, Housing and Equipment

SA148 Bird Nutrition, Health and Reproduction

SA149 Bird Care and Handling

**VET science Library**

Basic Systems

VS001 Animal Cells

VS002 Animal Tissues

VS003 The Skeletal System

VS004 The Circulatory System

VS005 The Respiratory System

VS006 The Renal System

VS007 The Reproductive System

VS008 The Digestive System

VS009 The Nervous System

VS010 The Endocrine System

VS011 The Immune System

Health and Nutrition

VS012 Basic Animal Nutrition

VS013 Equine Nutrition

VS017 The Physical Examination

VS020 Parturition

VS025 Blood clotting and Rodenticides

VS026 Health Tests for Livestock Shows

VS031 Necropsy

VS037 Fecal Examination for Parasites

VS038 Vital Signs

VS039 Injections

Diseases

VS014 Disease Classification

VS015 Disease Prevention

VS016 Zoonotic Disease

[VS022 The Relationship of Pasteurization to Zoonotic Disease](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\vs022.htm)

VS018 Wound Healing

VS019 West Nile Virus

VS021 Mastitis

[VS023 Kennel Cough](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\vs023.htm)

[VS024 Equine Colic](file:///C:\program%20files\qualcomm\eudora%20mail\inetaged\subs\vs024.htm)

VS027 Monday Morning Disease

VS028 Hardware Disease and Bloat

VS029 Anthrax

VS030 Cat Scratch Disease

VS032 Addison’s Disease (Hypoadrenocorticism)

VS033 Porcine Stress Syndrome

VS034 Shipping Fever Complex

VS035 The Knee Joint and Cranial Cruciate Rupture

VS036 Heaves in Horses