Publications

June 2017

CDs, software, videos and — check out our website: http://extension.missouri.edu/publications

AGING ● AGRICULTURAL CHEMISTRY ● AGRICULTURAL ECONOMICS ● AGRICULTURAL ENGINEERING ● AGRICULTURAL LAWS AND POLICIES ● AGROFORESTRY ● ANIMAL SCIENCES ● BEEF CATTLE ● CLOTHING AND TEXTILES ● COMMERCIAL AGRICULTURE ● COMPLETE GUIDE BOOKS ● CD-ROMS ● COMMUNICATIONS ● COMMUNITY DECISION MAKING ● CONSTRUCTION ● CORN ● COTTON ● DAIRY ● EMERGENCY MANAGEMENT ● EXTENSION CIRCULARS ● ENGINEERING ● ENVIRONMENTAL QUALITY ● EXTENSION VIDEOS ● EXTENSION DVDS ● FAMILY ECONOMICS AND MANAGEMENT ● FARM MACHINERY AND EQUIPMENT ● FARM MANAGEMENT ● FARM STRUCTURES ● FARM SAFETY ● FLOWERS ● FOOD PREPARATION ● FOOD PRESERVATION ● FOOD SAFETY ● FOOD STORAGE ● FORAGES ● FORESTRY ● FRUIT ● GARDENING ● HOME ECONOMICS ● HORSES ● HORTICULTURE ● HOUSE PLANTS ● HOUSEHOLD EQUIPMENT ● HOUSING ● HUMAN DEVELOPMENT ● HUMAN HEALTH ● HUMAN NUTRITION ● HUMAN RELATIONS ● INSECTS AND DISEASES ● INTEGRATED PEST MANAGEMENT ● LANDSCAPING ● LAWNS ● LAWS AND LEGAL ● LIVESTOCK EQUIPMENT ● PESTICIDE CERTIFICATION ● PETS AND COMPANION ANIMALS ● POULTRY ● RECIPES ● RICE ● SAFETY ● SHEEP ● SHRUBS ● SMALL GRAINS ● SOIL AND WATER ● SORGHUM ● SOYBEANS ● SUSTAINABLE AGRICULTURE ● SWINE ● TAXES ● TREES ● VEGETABLES ● WASTE MANAGEMENT ● WATER AND ENERGY SYSTEMS ● WATER QUALITY ● WEED CONTROL ● WHEAT ● WILDLIFE ● WINE AND GRAPES

Publications Online:
extension.missouri.edu/publications
### Contents

**Order Form** ................................................................. 3

**Publications by Series Number (prefixes)** 5 to 25

- Agroforestry (AF) .......................................................... 5
- Complete Books (CB) ..................................................... 5
- CD-ROMS (CD) ................................................................ 5
- Communications (CM) .................................................. 5
- Community Decision Making (DM) ................................. 5
- Extension Circulars (EC) ................................................ 5
- Engineering (EG) .......................................................... 6
- Emergency Management (EMW) ...................................... 6
- Extension DVDs & Blu-rays (DVD) ................................. 6
- Extension Videos (EV) .................................................... 6
- Folders/brochures (F) ..................................................... 6
- Farm Management (FM) ................................................ 6
- Agricultural Guides (G) .................................................. 6
  - Economics .................................................................... 6
  - Engineering ................................................................... 7
  - Animal Sciences .......................................................... 8
  - Crops .......................................................................... 9
  - Forestry ...................................................................... 10
  - Horticulture ............................................................... 10
  - Insects and Diseases .................................................... 11
  - Poultry ....................................................................... 12
  - Soils .......................................................................... 12
  - Weather ..................................................................... 12
  - Wildlife ...................................................................... 12
  - Agricultural Chemistry ............................................... 13
  - Pets and Companion Animals ...................................... 13
- Aging (GG) ................................................................. 13
- Human and Environmental Sciences (GH) ....................... 13
  - Clothing and Textiles .................................................. 13
  - Food and Nutrition (see also SMN) ............................... 13
  - Interior Design ............................................................ 13
  - Family Economics and Management ............................ 13
  - Housing ..................................................................... 13
  - Human Relations ........................................................ 13
  - Rehabilitation .............................................................. 14
- Integrated Pest Management (IPM) ................................. 14
- Manuals (M) .................................................................. 15
- Master Gardener Core Manual Series (MG) .................... 15
- Miscellaneous Publications (MP) ................................... 15
  *(Published by MU Extension Programs)*
- Midwest Plan Service Publications (MWPS) ................... 16
- Miscellaneous Publications (MX and XM) ....................... 16
- North Central Regional Publications (NCR) ..................... 17
- Plant and Life Sciences Publishing (PALS) ...................... 18
- Picture Sheets (PS) ....................................................... 18
- Research Bulletins (RB) ................................................ 18
- Station Bulletins (SB) .................................................... 18
  *(Agricultural Experiment Station)*
- Show Me Nutrition (SMN) .......................................... 20
  *(N, NC and NS are included with SMN)*
- Special Reports (SR) ..................................................... 21
  *(College of Agriculture, Food and Natural Resources and the Agricultural Experiment Station)*
- Sustainable Agriculture Publications (SX) ..................... 21
- University Extension Division (UED) .............................. 21
- Wine and Grape (WG) ................................................... 22
- Waste Management (WM) ............................................. 22
- Environmental Quality (EQ) ......................................... 22
- Water Quality Initiative (WQ) ........................................ 23
- Subject Index .................................................................. 25

**How to Order**

Publications in this catalog are available at University of Missouri Extension Centers throughout Missouri, or directly from:

**Extension Publications**
2800 Maguire Blvd.
University of Missouri-Columbia
Columbia, MO 65211-3250

**Toll free ordering:** 800-292-0969

**Order online at:** [http://extension.missouri.edu/publications](http://extension.missouri.edu/publications)

Use the order form on page 3, or send a letter clearly stating the publication number and title. Enclose your check made payable to University of Missouri for the cost of the publications plus handling. Missouri residents must include 7.975% sales tax.

Orders processed incorrectly may be returned for credit within three weeks of receipt.

**Quantity Discounts**

When ordering 10 or more copies of the same publication, apply the following discounts. Discounts are based on the unit price listed after each publication.

- 10% on 10 to 99 copies
- 15% on 100 to 999 copies
- 20% on 1000 or more copies
Order on the web. Go to http://extension.missouri.edu/publications

To order by mail, return completed form with payment to: Extension Publications, 2800 Maguire Blvd., University of Missouri-Columbia, Columbia, MO 65211-3250. Make check payable to University of Missouri.

<table>
<thead>
<tr>
<th>Publication Number</th>
<th>Title</th>
<th>Quantity</th>
<th>Price</th>
<th>Totals</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

To order by phone use your Discover, Visa, MasterCard or American Express.

Call toll free: 800-292-0969

Total publications charge from back of form

<table>
<thead>
<tr>
<th>Total publications charge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subtotal</td>
</tr>
<tr>
<td>Missouri Sales Tax (Subtotal x 7.975%)</td>
</tr>
<tr>
<td>Total</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Total Publication Charge</th>
<th>S&amp;H Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>$0.01 – 4.99</td>
<td>$2.50</td>
</tr>
<tr>
<td>$5.00 – 9.99</td>
<td>$5.00</td>
</tr>
<tr>
<td>$10.00 – 24.99</td>
<td>$7.25</td>
</tr>
<tr>
<td>$25.00 – 49.99</td>
<td>$9.00</td>
</tr>
<tr>
<td>$50.00 – 99.99</td>
<td>$11.00</td>
</tr>
<tr>
<td>$100.00 – 199.99</td>
<td>$15.00 + $3.50</td>
</tr>
</tbody>
</table>

Your name _________________________________________ Telephone (___) ____________
Street/Route _______________________________________________________________________
City __________________________ State ______ ZIP Code ____________________________
Method of payment: □Discover □Visa □MasterCard □American Express □Check
Card number ____________________ Expiration date ___________
# Additional Publications

Please use front side of form first. Carry total at bottom of this page to front side of form.

<table>
<thead>
<tr>
<th>Publication Number</th>
<th>Title</th>
<th>Quantity</th>
<th>Price</th>
<th>Totals</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total this page
Agroforestry

AED See in Midwest Plan Service, page 17

AF1001● Agroforestry: An Integration of Land Use Practices $1.00
AF1002● Growing Pecans in Missouri $1.00
AF1003● Propagating Pecan and Black Walnut in Missouri $1.00
AF1004● Tax Considerations for the Establishment of Agroforestry Practices $1.00
AF1005● Funding Incentives for Agroforestry in Missouri $1.00
AF1006● Economic Budgeting for Agroforestry Practices $1.00
AF1007● Growing Chinese Chestnuts in Missouri web
AF1008● Agroforestry Practices DVD $9.99
AF1009● Establishing and Managing Riparian Forest Buffers $1.00
AF1010● Growing Shiitake Mushrooms in an Agroforestry Practice $1.00
AF1011● Growing Black Walnut for Nut Production $1.00
AF1012● Integrating Agroforestry Practices for Wildlife $1.00
AF1013● Succession Planning for Woodland Owners $1.00
AF1014● Understanding Casually Loss of Timber $1.00
AF1015● Burgundy Black Truffle Cultivation in an Agroforestry Practice web
AF1016● Using NRCS Technical and Financial Assistance to Establish Elderberries web
AF1017● Growing and Marketing Elderberries in Missouri web

BLU See Extension DVDS & Blu-rays page 6

CAN See in Midwest Plan Service, page 17

COMPLETE GUIDE BOOKS

CB1 Agricultural Guides G100-G9999 (3 Binders, CB3, CB4, CB5) $100.00
CB2 Grounds for Gardening Guide Book $55.00
CB3 Agricultural Guides G100-G1999 $40.00
CB4 Agricultural Guides G2000-G5999 $40.00
CB5 Agricultural Guides G6000-G9999 $40.00
CB9 Balancing Work and Family $3.00
CB10 MU Beef Cow/Calf Series $12.50
CB11 Challenges and Choices, Folder and Guides $4.75
CB13 Tackling the Tough Skills™: A Curriculum Building Skills for Work and Life (Third Edition) $80.00
CB14 Child Care and the Work Place (binder) $25.00
CB15 An Ounce of Prevention: Addressing Birth Defects Related to Folic Acid, Alcohol and Tobacco $100.00
CB16 Developing Community Leadership: The EXCEL Approach $30.00
CB17 A Facilitator’s Guide to Step Up to Leadership: A Curriculum for Developing Community Leaders (see also M172) $100.00
CB18 Grow Your Farm: Instructor's Guide $100.00
CB19 Missouri Master Gardener Core Manual $30.00
CB20 Quality for Keeps: Home Food Preservation $25.00
CB22 Tackling the Tough Skills™ for Teens: A Curriculum Building Skills for Work and Life (Second Edition) — Curriculum Binder and Addenda CD $80.00
CB24 Health Insurance Education: Options for you and your family (electronic download only) $140.00
CB25 Health Insurance Education: What the Affordable Care Act means for businesses (electronic download only) $140.00
CB27 Making Money Count, A Curriculum for Managing Personal Finances — CD version $150.00

CD-ROMs

CD20 Midwest Landscape Plants: A Pictorial Guide (CD-ROM) $20.00

COMMUNICATIONS

CM108● Speeding Adoption of New Technology in Rural America web
CM109● Developing Effective Communications web
CM150● Listening: Our Most Used Communications web
CM201● Clear Writing: Ten Principles of Clear web
CM304● Publicizing the Event web
CM350● Writing Features web
CM360● Writing Columns web
CM440● Designing Your Newsletter web
CM450● How to Do a Newsletter That Gets Read web
CM460● Newsletter Score Sheet web
CM925● Creating a Videotape For Instruction web
CM1225● VideoConference: Site Facilitator's Guide web
CM1305● Checklist for Planning a Successful Meeting web
CM1306● How to Have a Successful Educational Meeting on a Public Issue web

COMMUNITY DECISION MAKING

DM201● Stock Healthy, Shop Healthy: Community Toolkit web
DM202● Stock Healthy, Shop Healthy: Retailer Toolkit web
DM266● Stock Healthy, Shop Healthy: Program Evaluation Toolkit web
DM270 Stock Healthy Shop Healthy - Starter packet $230.00
DM271● Introduction to Local Food Systems web
DM462● The Elements of Economic Development web
DM463● Decision-Making Techniques for Community Groups web
DM464● Town Meetings that Work: A Guide to Organizing the Process $2.00
DM490● Working With Resource People web
DM3101● What Are Our Community’s Housing web
DM3005● Understanding Your Community’s Economic Base web
DM3006● Economic Base Multipliers and Community Growth web
DM3007 The Language of Economic Development: A Reference Guide for Economic Developers $15.00
DM3035● Potential for Retail Trades in Rural web
DM3101● Missouri County Sales Tax Act web
DM4000● Ballard Local Government Series web
DM4001● Rules for Missouri Townships, 2nd Edition web
DM4002● Rules for Missouri Fire Protection Districts, 2nd Edition web
DM4003● Rules for Missouri Fourth-Class Cities, 2nd Edition $12.00
DM4010● Missouri's Third Class County Budget Trend Analysis: Workbook User's Manual web
DM4011● Missouri's Third Class County Budget Trend Analysis web
DM7005● The Planning Process and People web
DM7616 Practicing Community Development $30.00
DM7617● Cambio de Colores – Latinos in Missouri: Gateway to a New Community – Proceedings of the 2004 annual conference web
DM7619● Cambio de Colores – Latinos in the Heartland web
DM7625● Cambio de Colores – Latinos in the Heartland: Positive Steps Toward a Pluralist Society web

EXTENSION CIRCULARS

EC705● Our Valuable Papers $1.00
EC914 Simple Home Plumbing Repairs $1.00
EC921 Alfalfa Analyst $1.50
EC923● Soil Testing in Missouri web
EC929● Micro and Secondary Nutrients in Missouri $1.00

DVD, BLU See Extension DVDS, page 6
DVD23 Battle: Change from Within $25.00
DVD31 Stay Strong, Stay Healthy DVD $10.00

**EXTENSION VIDEOS**

EV4 How to Do a Newsletter That Gets Read $125.00
EV6 Integrated Pest Management: A Basic Concept for Better Gardening $15.00
EV7 Your Newsletter: Make it a Winner $125.00
EV9 Refrigerator Journalism: Making Your Writing More Useful $125.00
EV10 Community-Based Programs for Families and Youth-at-Risk: Lessons Learned from the Missouri Youth Initiative $35.00
EV12 Management Intensive Grazing Video Series (VHS Cassette) $50.00
EV14 Tom Benton's Missouri, Video $30.00
EV14T Tom Benton's Missouri, Teaching Guide $10.00

**FOLDERS/POSTERS**

F235 HortLine 24 Hour Help for the Home Gardener (brochure) $0.00
F243 Child Care and the Workplace (brochure) $0.00
F244 Child Care and the Work Place (folders with F245,F246,F247) $0.00
F248 Soil Nutrient Deficiencies & Toxicities Poster $1.00
F260 Plant Diagnostic Clinic - Guidelines for Collecting and Submitting Samples (brochure) $1.00
F278 Your Child's Health and BMI $0.00
F280 National Screen-Free Week Flyer (Play More, Watch Less) $1.00
F408 Food Preservation Poster (24 in x 36 in) $8.00

**FARM MANAGEMENT**

FM6701 Missouri Farm Tax Record: Part 1, Cash Paid-Cash Received $6.75
FM6702 Missouri Farm Tax Record: Part 2, Four-Year Depreciation Records $1.00

**AGRICULTURAL GUIDES**

Agricultural Economics

**Farm Management**

G302 2016 Custom Rates for Farm Services in Missouri
G310 Agriculture and Greenhouse Emissions
G312 Contracts in Agriculture
G355 No Tillage and Conservation Tillage: Economic Considerations
G360 Business Environmental Risk Management: An Introduction
G361 Securing Manure Spreading Rights Through Easements
G362 Days Suitable for Fieldwork in Missouri
G363 Fieldwork Days and Machinery Capacity
G403 Farm Land Values for Midwestern States
G406 Farm Values for Missouri Counties
G419 Developing a Farm Newsletter
G420 Designing a Farm Resume
G423 Flexible Cash Rental Arrangement
G424 Missouri Crop-Share Leasing Patterns
G426 Farm Lease Agreement
G427 2015 Cash Rental Rates in Missouri
G428 Customary Farm Rental Arrangements
G429 Leasing Farm Equipment
G451 Liability of Farm Employers
G453 Farmers Liability for Their Animals
G457 Pasture, Rangeland, Forage (PRF) Rainfall Insurance in Missouri
G459 Livestock Risk Protection (LRP) Insurance in Missouri
G461 Livestock Gross Margin (LGM) Insurance in Missouri

**EMERGENCY MANGEMENT**

EMW28 How to help children, youth, and teens cope in the aftermath
EMW100 How to help children, youth, and teens cope in the aftermath
EMW101 Radiation Fact Sheet
EMW1011 Family Disaster Plan
EMW1012 Recommended Contents for Family Disaster Supplies Kit
EMW1013 Coping with Summer Heat
EMW1015 Sizing and Safety Tips for Standby Power Generators
EMW1016 Generator Safety Concerns Video
EMW1017 Flood Fighting With Sandbags
EMW1019 Tornado Season: Are You Ready?
EMW1020 The Facts on H1N1 Flu
EMW1021 Safe Rooms: Taking Shelter From the Storm Video
EMW1022 Financial Recovery and Risk Management
EMW1023 Quick Tips for Cleaning Up After a Flood
EMW1024 Replacing Important Papers
EMW1025 Storm Shelters and Safe Rooms
EMWS1020 Hechos Sobre la Influenza H1N1
EMWS1027 Ebola information for Missourians

**ENGINEERING GUIDES**

EG602 The Treatment of Industrial Wastes by Anaerobic, Lagoons $0.50
EG900 Capturing Solar Heat by Retrofitting Existing Homes $0.50
EG552 Water and Vapor Control in Earth-Contact Homes $0.50
EGQ See Environmental Quality, page 24 $0.50

**EXTENSION DVDs & Blu-rays**

AF1008 Agroforestry Practices DVD $9.99
BLU14 Tom Benton's Missouri Blu-ray $15.00
DVD12 Management Intensive Grazing Video Series (DVD) $25.00
DVD14 Tom Benton's Missouri DVD $10.00
DVD16 Missouri Bobwhite Quail Habitat Appraisal Guide DVD + Booklet $22.00
DVD21 Braziology $30.00
DVD22 Naked Bronze: Louis Smart, Sculptor in the $30.00
**Agricultural Engineering**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>G1004</td>
<td>Buying a Packaged Farm Building</td>
<td></td>
</tr>
<tr>
<td>G1005</td>
<td>Selecting and Working With a Farm Building</td>
<td></td>
</tr>
<tr>
<td>G1010</td>
<td>Missouri Fencing and Boundary Laws</td>
<td></td>
</tr>
<tr>
<td>G1011</td>
<td>Missouri’s Fencing and Boundary Laws: Frequently Asked Questions</td>
<td></td>
</tr>
<tr>
<td>G1020</td>
<td>Does the Family Farm Really Matter?</td>
<td></td>
</tr>
<tr>
<td>G1051</td>
<td>Stockmen’s Liability Under the Missouri Nuisance Law</td>
<td></td>
</tr>
<tr>
<td>G1055</td>
<td>Pesticide Laws and Regulations</td>
<td>$0.50</td>
</tr>
<tr>
<td>G1056</td>
<td>Worker Protections Standard for Agricultural Pesticides - Key Features</td>
<td></td>
</tr>
<tr>
<td>G1057</td>
<td>Worker Protection: Employer’s Guide to Worker Protection Standard Compliance</td>
<td></td>
</tr>
<tr>
<td>G1058</td>
<td>Agricultural Owners, Family Labor and the Worker Protection Standard</td>
<td></td>
</tr>
<tr>
<td>G1060</td>
<td>Missouri Litter Laws</td>
<td></td>
</tr>
<tr>
<td>G1061</td>
<td>Basics of Missouri Agricultural Cooperatives</td>
<td></td>
</tr>
<tr>
<td>G1062</td>
<td>Member Control of Cooperatives: What it Means and How it is Exercised</td>
<td></td>
</tr>
<tr>
<td>G1063</td>
<td>How Agricultural Cooperatives are Taxed</td>
<td></td>
</tr>
</tbody>
</table>

**Soil and Water**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>G1230</td>
<td>How to Select Lubricating Oil for Farm</td>
<td></td>
</tr>
<tr>
<td>G1231</td>
<td>Are Radial Tires Cost Effective?</td>
<td></td>
</tr>
<tr>
<td>G1235</td>
<td>Tractor Tire and Ballast Management</td>
<td></td>
</tr>
<tr>
<td>G1236</td>
<td>Farming With One Tractor</td>
<td></td>
</tr>
<tr>
<td>G1250</td>
<td>Large Round Balers</td>
<td></td>
</tr>
<tr>
<td>G1270</td>
<td>Calibrating Field Sprayers</td>
<td></td>
</tr>
<tr>
<td>G1272</td>
<td>Spray Mix Calculations</td>
<td></td>
</tr>
<tr>
<td>G1273</td>
<td>Calibrating Granular Pesticide Applicators</td>
<td>$0.25</td>
</tr>
<tr>
<td>G1300</td>
<td>Low-Profile Bins for Grain Drying</td>
<td></td>
</tr>
<tr>
<td>G1305</td>
<td>Estimating Airflow for In-Bin Grain Drying</td>
<td>$0.75</td>
</tr>
<tr>
<td>G1409</td>
<td>Is Your Temperature, In-Bin Drying: Shelled Corn in Southwest, Central and North Efficient?</td>
<td></td>
</tr>
</tbody>
</table>

**Housing**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>G1710</td>
<td>Dehumidifiers</td>
<td></td>
</tr>
<tr>
<td>G1730</td>
<td>Wood Stoves and Their Installation</td>
<td></td>
</tr>
<tr>
<td>G1731</td>
<td>Wood Stove Maintenance and Operation</td>
<td></td>
</tr>
<tr>
<td>G1732</td>
<td>Chimneys for Wood Stoves</td>
<td></td>
</tr>
<tr>
<td>G1735</td>
<td>Cleaning Stovepipes and Chimneys</td>
<td></td>
</tr>
<tr>
<td>G1770</td>
<td>Replacing Wall Switches and Receptacles</td>
<td></td>
</tr>
<tr>
<td>G1800</td>
<td>Sources for Farm and Home Water Supply</td>
<td></td>
</tr>
<tr>
<td>G1801</td>
<td>How to Size a Farm and Home Water</td>
<td></td>
</tr>
<tr>
<td>G1805</td>
<td>A System for Pond Water Purification</td>
<td></td>
</tr>
</tbody>
</table>

**Other: Water Systems, Safety, Energy**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>G1880</td>
<td>Gases and Odors From Swine Wastes</td>
<td></td>
</tr>
<tr>
<td>G1881</td>
<td>Generating Methane Gas From Manure</td>
<td></td>
</tr>
<tr>
<td>G1884</td>
<td>Odors From Livestock Operations: Causes and Possible Cures</td>
<td></td>
</tr>
<tr>
<td>G1885</td>
<td>Fugitive Dust: Nonpoint Sources</td>
<td></td>
</tr>
<tr>
<td>G1886</td>
<td>Controlling Drift of Crop Protection Materials</td>
<td></td>
</tr>
<tr>
<td>G1895</td>
<td>Collecting and Preserving Waste and Wastewater Samples for Analysis</td>
<td></td>
</tr>
<tr>
<td>G1905</td>
<td>Is Your Family Prepared for an Earthquake?</td>
<td></td>
</tr>
<tr>
<td>G1907</td>
<td>Residential Fire Detection</td>
<td></td>
</tr>
<tr>
<td>G1908</td>
<td>Fires in Agricultural Chemicals</td>
<td></td>
</tr>
<tr>
<td>G1911</td>
<td>Understanding the Pesticide Label</td>
<td>$0.50</td>
</tr>
<tr>
<td>G1913</td>
<td>Understanding the Material Safety Data</td>
<td></td>
</tr>
<tr>
<td>G1914</td>
<td>Laundering Pesticide-Contaminated Clothing</td>
<td>$0.25</td>
</tr>
<tr>
<td>G1915</td>
<td>Pesticide Poisoning Symptoms and First Aid</td>
<td></td>
</tr>
</tbody>
</table>
Animal Sciences

**Beef Breeding**

- G2001: Real-Time Ultrasound: Possible Uses in Genetic Prediction
- G2005: Value of Beef Performance Records
- G2006: Increase Your Calf Crop by Good Management, Pregnancy Testing, and Breeding Soundness Examination of Bulls
- G2007: Assisting the Beef Cow at Calving Time
- G2011: Determining Reproductive Fertility in Herd Reproductive Anatomy and Physiology of the Cow
- G2016: Reproductive Anatomy and Physiology of the Bull
- G2017: Pelvic Measurements and Calving Difficulty
- G2030: Beef Production Glossary: BIF Fact Sheet
- G2032: Understanding and Using Sire Summaries: BIF Fact Sheet
- G2033: Utilizing Performance Records in Commercial Beef Herds
- G2034: Utilizing Performance Data in Judging Classes: BIF Fact Sheet
- G2035: Calving Difficulty in Beef Cattle: BIF Fact Sheet
- G2036: Culling the Commercial Cow Herd: BIF Fact Sheet
- G2037: The System Concept of Beef Production: BIF Fact Sheet
- G2038: Modern Commercial Beef Sire Selection: BIF Fact Sheet
- G2039: Genetics of Reproduction: Considerations for Sire Selection
- G2040: Crossbreeding Systems for Small Herds of Beef Cattle
- G2041: Management Considerations in Beef Heifer Development

**Beef Feeding**

- G2051: Feed Ingredient Composition for Beef Cattle
- G2053: Using Net Energy to Formulate Beef Cattle Rations
- G2056: High-Moisture Grain for Beef Cattle
- G2058: Vitamins for Beef Cattle
- G2059: Wheat Silage for Beef Cattle
- G2061: Corn Silage for Beef Cattle
- G2064: Winter Rations for Beef Calves
- G2068: Rations for Growing and Finishing Beef
- G2071: Urea Supplements for Beef Cattle
- G2072: Grain and Protein Supplements for Beef Cattle on Pasture
- G2076: Alternative Feeds for Beef Cows and Stockers
- G2077: Feeding Poultry Litter to Beef Cattle
- G2081: Mineral Supplements for Beef Cattle
- G2083: Calculating Fertilizer Value of Supplemental Feed for Cattle on Pasture

**Swine Breeding**

- G2310: Rotational Crossbreeding Systems for Pork Producers
- G2311: Terminal and Rotaterminal Crossbreeding Systems for Pork Producers
- G2312: Artificial Insemination in Swine: Breeding the Female
- G2315: Infectious Causes of Infertility in Sows

**Swine Feeding, Health**

- G2320: Nutrient Requirements of Swine and Recommendations for Missouri
- G2321: Vitamin Requirements of Swine
- G2322: Mineral Requirements for Growing Swine
- G2323: Feeding Organic and Inorganic Sources of Trace Minerals for Swine Production
- G2324: Swine Diet Manipulation to Minimize Environmental Impacts
- G2340: Biosecurity for Today's Swine Operation
- G2350: Meeting the Protein and Amino Acid Needs of Swine
- G2351: Evaluating Vitamin Premixes for Swine
- G2353: Antibiotics and Other Additives for Swine: Food Safety Considerations
- G2354: Evaluating Additives for Swine Rations
- G2355: By-Products, Damaged Feeds, and Non-Traditional Feed Sources for Swine
- G2357: Vitamin E and Selenium in Swine Rations
- G2358: Preventing Sulfur Residues in Pork

**Swine Management**

- G2360: Forages for Swine
- G2430: Common Internal Parasites of Swine
<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Category</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>G2500</td>
<td>Care of Pigs From Farrowing to Weaning</td>
<td>Swine Production</td>
<td></td>
</tr>
<tr>
<td>G2502</td>
<td>Purchasing a Herd Boar for Commercial</td>
<td>Swine Production</td>
<td></td>
</tr>
<tr>
<td>G2503</td>
<td>Management and Care of the Herd Boar</td>
<td>Swine Production</td>
<td></td>
</tr>
<tr>
<td>G2504</td>
<td>Hoop Structures for Missouri Swine</td>
<td>Swine Production</td>
<td></td>
</tr>
<tr>
<td>G2505</td>
<td>Universal Ear Notching Systems for Pigs</td>
<td>Finishing Facilities</td>
<td>$0.25</td>
</tr>
<tr>
<td>G2507</td>
<td>Herd Management for Disease Prevention</td>
<td>Finishing Facilities</td>
<td></td>
</tr>
<tr>
<td>G2508</td>
<td>Herd Health Programs for Swine Seedstock Production</td>
<td>Finishing Facilities</td>
<td></td>
</tr>
<tr>
<td>G2509</td>
<td>Swine Management Check Sheet</td>
<td>Finishing Facilities</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Horses, Other</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dairy Breeding</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dairy Feeding</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dairy, Other Management,  Marketing</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Crops</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Feeding</td>
<td></td>
</tr>
<tr>
<td>G2511</td>
<td>Evaluating the Contract Swine Finishing Opportunity</td>
<td>Swine, Other</td>
<td></td>
</tr>
<tr>
<td>G2520</td>
<td>Managing Purchased Feeder Pigs</td>
<td>Finishing Facilities</td>
<td></td>
</tr>
<tr>
<td>G2526</td>
<td>Country Curing Hams</td>
<td>Finishing Facilities</td>
<td></td>
</tr>
<tr>
<td>G2528</td>
<td>Home Curing Bacon for a Mild Flavor</td>
<td>Finishing Facilities</td>
<td></td>
</tr>
<tr>
<td>G2530</td>
<td>Dust, Odor, and Gas Control in Swine Finishing</td>
<td>Finishing Facilities</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Horses, Breeding, Health,  Feeding, Training</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>General</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Corn</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Cotton</td>
<td></td>
</tr>
<tr>
<td>G2610</td>
<td>Sheep Pregnancy Checking by Ultrasonic</td>
<td>Sheep</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Horses, Breeding, Health,  Feeding, Training</td>
<td></td>
</tr>
<tr>
<td>G2740</td>
<td>Functional Anatomy of the Horse Foot</td>
<td>General</td>
<td>$0.25</td>
</tr>
<tr>
<td>G2742</td>
<td>Splints in Horses</td>
<td>General</td>
<td>$0.25</td>
</tr>
<tr>
<td>G2743</td>
<td>Navicular Syndrome in Horses</td>
<td>General</td>
<td></td>
</tr>
<tr>
<td>G2790</td>
<td>Horse Breeding Arithmetic: 2 + 2 = 1</td>
<td>General</td>
<td>$0.50</td>
</tr>
<tr>
<td>G2806</td>
<td>Feeds for Light Horses</td>
<td>General</td>
<td></td>
</tr>
<tr>
<td>G2807</td>
<td>Feeding Horses</td>
<td>General</td>
<td>$0.50</td>
</tr>
<tr>
<td>G2825</td>
<td>Illustrated hoof Care for Horses</td>
<td>General</td>
<td>$0.50</td>
</tr>
<tr>
<td>G2835</td>
<td>Buying a Horse</td>
<td>General</td>
<td>$0.50</td>
</tr>
<tr>
<td>G2836</td>
<td>Selecting Your Riding Horse</td>
<td>General</td>
<td>$0.50</td>
</tr>
<tr>
<td>G2837</td>
<td>Conformation: Form to Function</td>
<td>General</td>
<td>$0.50</td>
</tr>
<tr>
<td>G2839</td>
<td>Care of Your Horse's Feet</td>
<td>General</td>
<td>$0.50</td>
</tr>
<tr>
<td>G2840</td>
<td>Unsoundness and Blemishes of Horses: Feet and Legs</td>
<td>General</td>
<td></td>
</tr>
<tr>
<td>G2841</td>
<td>Unsoundness and Blemishes of Horses: Head, Body, Respiratory Tract and Stable</td>
<td>General</td>
<td></td>
</tr>
<tr>
<td>G2842</td>
<td>Determining Age of Horses by Their Teeth</td>
<td>General</td>
<td>$0.50</td>
</tr>
<tr>
<td>G2843</td>
<td>Leg Set: Its Effect on Action and Soundness of Horses</td>
<td>General</td>
<td>$0.50</td>
</tr>
<tr>
<td>G2844</td>
<td>Haltering and Tying Horses</td>
<td>General</td>
<td>$0.50</td>
</tr>
<tr>
<td>G2845</td>
<td>Choosing, Assembling and Using Bridles</td>
<td>General</td>
<td>$0.75</td>
</tr>
<tr>
<td>G2851</td>
<td>Health Hints for Your Horse</td>
<td>General</td>
<td></td>
</tr>
<tr>
<td>G2854</td>
<td>Controlling Internal Parasites of Horses</td>
<td>General</td>
<td>$0.50</td>
</tr>
<tr>
<td>G2861</td>
<td>Longe Line Training</td>
<td>General</td>
<td>$0.50</td>
</tr>
<tr>
<td>G2862</td>
<td>Practical Horse Psychology</td>
<td>General</td>
<td></td>
</tr>
<tr>
<td>G2864</td>
<td>Pre-Bit Hackamore Training</td>
<td>General</td>
<td>$0.50</td>
</tr>
<tr>
<td>G2870</td>
<td>Tips for Pony Pleasure Drivers</td>
<td>General</td>
<td></td>
</tr>
<tr>
<td>G2878</td>
<td>Safe Ground Handling of Horses</td>
<td>General</td>
<td>$0.75</td>
</tr>
<tr>
<td>G2881</td>
<td>Saddling, Bridling and Riding the Western</td>
<td>General</td>
<td>$0.75</td>
</tr>
<tr>
<td>G2882</td>
<td>Safety for Hunt Seat Riders</td>
<td>General</td>
<td>$0.50</td>
</tr>
<tr>
<td>G2883</td>
<td>Intermediate Trail Riding</td>
<td>General</td>
<td></td>
</tr>
<tr>
<td>G2884</td>
<td>Community Pleasure Trail Riding</td>
<td>General</td>
<td></td>
</tr>
<tr>
<td>G2887</td>
<td>Selecting a Saddle</td>
<td>General</td>
<td>$0.50</td>
</tr>
<tr>
<td>G2910</td>
<td>Heritability and Its Use in Animal Breeding</td>
<td>General</td>
<td></td>
</tr>
<tr>
<td>G2911</td>
<td>Inbreeding: It's Meaning, Uses and Effects on Farm Animals</td>
<td>General</td>
<td></td>
</tr>
<tr>
<td>G2925</td>
<td>Miniature and Hunting Mules of Missouri</td>
<td>General</td>
<td>$0.75</td>
</tr>
<tr>
<td>G2952</td>
<td>Livestock Judging Techniques</td>
<td>General</td>
<td>$0.75</td>
</tr>
<tr>
<td>G3030</td>
<td>Getting Problem Cows Pregnant</td>
<td>Dairy Breeding</td>
<td></td>
</tr>
<tr>
<td>G3050</td>
<td>Introduction to Pasture-Based Dairy Models</td>
<td>Dairy Breeding</td>
<td></td>
</tr>
<tr>
<td>G3051</td>
<td>Converting an Existing Dairy to the Missouri 75-Cow Grazing Model</td>
<td>Dairy Breeding</td>
<td></td>
</tr>
<tr>
<td>G3052</td>
<td>Starting a 75-Cow Intensive Rotational Grazing Dairy</td>
<td>Dairy Breeding</td>
<td></td>
</tr>
<tr>
<td>G3053</td>
<td>Starting a 150-Cow Intensive Rotational Grazing Dairy</td>
<td>Dairy Breeding</td>
<td></td>
</tr>
<tr>
<td>G3054</td>
<td>Starting a 300-Cow Intensive Rotational Grazing Dairy</td>
<td>Dairy Breeding</td>
<td></td>
</tr>
<tr>
<td>G3055</td>
<td>Grazing Dairy</td>
<td>Dairy Breeding</td>
<td></td>
</tr>
<tr>
<td>G3106</td>
<td>Total Mixed Dairy Rations on Your Farm</td>
<td>Dairy Feeding</td>
<td></td>
</tr>
<tr>
<td>G3110</td>
<td>Feeding to Maximize Milk Solids</td>
<td>Dairy Feeding</td>
<td></td>
</tr>
<tr>
<td>G3150</td>
<td>Forages for Cattle: New Methods of</td>
<td>Dairy Feeding</td>
<td></td>
</tr>
<tr>
<td>G3151</td>
<td>Using a Microwave Oven to Determine Moisture in Forages</td>
<td>Dairy Feeding</td>
<td></td>
</tr>
<tr>
<td>G3161</td>
<td>Using NDF and ADF to Balance Diets</td>
<td>Dairy Feeding</td>
<td></td>
</tr>
<tr>
<td>G3170</td>
<td>Feeding Dairy Cattle for Proper Body</td>
<td>Dairy Feeding</td>
<td></td>
</tr>
<tr>
<td>G3260</td>
<td>Wheat Silage for Dairy Cattle</td>
<td>Dairy Feeding</td>
<td></td>
</tr>
<tr>
<td>G3270</td>
<td>Whole Soybeans for Dairy Cattle</td>
<td>Dairy, Other Management,  Marketing</td>
<td></td>
</tr>
<tr>
<td>G3555</td>
<td>Raising Calves on Stored Colostrum</td>
<td>Dairy, Other Management,  Marketing</td>
<td></td>
</tr>
<tr>
<td>G3561</td>
<td>How to Reduce Heat Stress in Dairy Cattle</td>
<td>Dairy, Other Management,  Marketing</td>
<td></td>
</tr>
<tr>
<td>G3651</td>
<td>How to Compute Your Cost of Producing Milk</td>
<td>Dairy, Other Management,  Marketing</td>
<td></td>
</tr>
<tr>
<td>G3653</td>
<td>Using the California Mastitis Test</td>
<td>Dairy, Other Management,  Marketing</td>
<td></td>
</tr>
<tr>
<td>G3661</td>
<td>Artisan Cheeses in Missouri: Retail Grocers' Perceptions</td>
<td>Dairy, Other Management,  Marketing</td>
<td></td>
</tr>
<tr>
<td>G3662</td>
<td>Artisan Cheeses in Missouri: Consumer Buying Habits and Preferences</td>
<td>Dairy, Other Management,  Marketing</td>
<td></td>
</tr>
<tr>
<td>G3990</td>
<td>Feeding and Housing Dairy Goats</td>
<td>Dairy, Other Management,  Marketing</td>
<td></td>
</tr>
<tr>
<td>G4020</td>
<td>Tables for Weights and Measurements: Crops</td>
<td>Crops</td>
<td></td>
</tr>
<tr>
<td>G4050</td>
<td>Troubleshooting Field Crop Problems</td>
<td>Crops</td>
<td>$0.50</td>
</tr>
<tr>
<td>G4080</td>
<td>No-Till Planting Systems</td>
<td>Crops</td>
<td></td>
</tr>
<tr>
<td>G4081</td>
<td>No-Till Checklist</td>
<td>Crops</td>
<td></td>
</tr>
<tr>
<td>G4090</td>
<td>Alternative Crops in Double-Crop Systems for Missouri</td>
<td>Crops</td>
<td></td>
</tr>
<tr>
<td>G4091</td>
<td>Corn and Soybean Replant Decisions</td>
<td>Crops</td>
<td></td>
</tr>
<tr>
<td>G4099</td>
<td>Analyzing Cropping Systems</td>
<td>Crops</td>
<td></td>
</tr>
<tr>
<td>G4161</td>
<td>Cover Crops in Missouri: Putting Them to Work on Your Farm</td>
<td>Crops</td>
<td></td>
</tr>
<tr>
<td>G4155</td>
<td>Aflatoxins in Corn</td>
<td>Corn</td>
<td>$0.50</td>
</tr>
<tr>
<td>G4251</td>
<td>Cotton Weed Control</td>
<td>Cotton</td>
<td></td>
</tr>
<tr>
<td>G4253</td>
<td>Cotton Harvest Aids</td>
<td>Cotton</td>
<td></td>
</tr>
<tr>
<td>G4255</td>
<td>The Boll Weevil in Missouri: History, Biology and Management</td>
<td>Cotton</td>
<td></td>
</tr>
<tr>
<td>G4256</td>
<td>Fertility Management of Cotton</td>
<td>Cotton</td>
<td></td>
</tr>
<tr>
<td>G4257</td>
<td>Sulfur and Boron Fertilization on Cotton</td>
<td>Cotton</td>
<td></td>
</tr>
<tr>
<td>G4258</td>
<td>Plant Growth Regulators for Cotton</td>
<td>Cotton</td>
<td></td>
</tr>
<tr>
<td>G4259</td>
<td>Cotton Nematodes in Missouri: Your Hidden Enemies</td>
<td>Cotton</td>
<td></td>
</tr>
<tr>
<td>G4261</td>
<td>Cotton Disease and Nematode</td>
<td>Cotton</td>
<td></td>
</tr>
<tr>
<td>G4262</td>
<td>Protecting Cotton Seedlings from Blowing</td>
<td>Cotton</td>
<td></td>
</tr>
<tr>
<td>G4268</td>
<td>Sand with Winter Cover Crops</td>
<td>Cotton</td>
<td></td>
</tr>
<tr>
<td>G4270</td>
<td>Cotton Tillage and Plant Mapping</td>
<td>Cotton</td>
<td></td>
</tr>
<tr>
<td>G4271</td>
<td>Prevention and Control of Damage from Wind Erosion in Cotton</td>
<td>Cotton</td>
<td></td>
</tr>
<tr>
<td>G4280</td>
<td>Canola: A Promising Oilseed</td>
<td>Small Grains</td>
<td></td>
</tr>
<tr>
<td>G4290</td>
<td>Sunflower: An American Native</td>
<td>Small Grains</td>
<td></td>
</tr>
<tr>
<td>G4306</td>
<td>Buckwheat: A Multi-Purpose, Short-Season Alternative</td>
<td>Small Grains</td>
<td></td>
</tr>
<tr>
<td>G4312</td>
<td>Barley</td>
<td>Small Grains</td>
<td></td>
</tr>
<tr>
<td>G4345</td>
<td>Wheat Take-All</td>
<td>Small Grains</td>
<td></td>
</tr>
<tr>
<td>G4349</td>
<td>Sorghum Aphid Pest Management</td>
<td>Sorghum</td>
<td></td>
</tr>
<tr>
<td>G4356</td>
<td>Management of Grain Sorghum Diseases in Missouri</td>
<td>Sorghum</td>
<td></td>
</tr>
</tbody>
</table>
### Rice
- G4361 Guidelines for Producing Rice Using Furrow Irrigation
- G4364 Boron and Sulfur Fertilization on Rice
- G4365 Managing Midseason Nitrogen on Rice with Plant Area Measurements
- G4366 Phosphorus Management for Drill-Seeded Rice

### Soybeans
- G4410 Soybean Production in Missouri
- G4412 Soybean Variety Selection
- G4415 Drilled Soybeans in Missouri
- G4420 Irrigating Soybeans $0.75
- G4442 Soybean Rust $1.50
- G4448 Controlling Vole Damage in No-Till Corn and Soybeans $0.50
- G4450 Soybean Cyst Nematode

### Forages
- G4510 Crownvetch
- G4511 Orchardgrass
- G4515 Annual Lespedeza $0.50
- G4550 Alfalfa
- G4555 Managing Manure on Alfalfa Hay
- G4563 Grasshopper Control in Missouri Forage Crops and Pastures
- G4569 Blister Beetle Management in Alfalfa
- G4570 Reducing Losses When Feeding Hay to Beef Cattle
- G4575 Making and Storing Quality Hay
- G4590 Corn Silage
- G4591 Estimating Silage Value to the Crop
- G4610 The Bluegrasses
- G4620 Bermudagrass
- G4635 Red Clover
- G4639 White, Ladino and Sweet Clover
- G4640 Birdsfoot Trefoil
- G4642 Establishing Birdsfoot Trefoil in Bluegrass
- G4646 Tall Fescue
- G4649 Reed Canarygrass, Ryegrass, and Garrison Creeping Foxtail
- G4650 Establishing Forages
- G4651 Renovating Grass Sods With Legumes
- G4652 Seeding Rates, Dates, and Depths for Common Missouri Forages $0.50
- G4661 Warm-Season Annual Forage Crops
- G4669 Tall Fescue Toxicosis
- G4670 Seed Production of Tall Fescue and Other Cool Season Grasses
- G4671 Eastern Gamagrass
- G4672 Smooth Bronegrass
- G4673 Big Bluestem, Indiangrass and Switchgrass
- G4674 Caucasian Bluestem

### Crops, Other: Weed Control
- G4851 Atrazine: Best Management Practices and Alternatives in Missouri
- G4852 Cleaning Field Sprayers to Avoid Crop Injury $0.75
- G4872 Johnsongrass Control
- G4875 Control of Perennial Broadleaf Weeds in Missouri Field Crops
- G4880 Poison Ivy: Identification and Control $0.25
- G4907 Herbicide Resistance in Weeds
- G4953 Wheat-Soybean Double-Crop Management In Missouri
- G4970 Plants Poisonous to Livestock
- G4980 Switchgrass and Miscanthus: Economics of Perennial Grasses Grown for Bioenergy

### Forestry

#### Management, Protection, Uses, Energy
- G5006 Before You Order Tree Seedlings
- G5008 How to Plant Forest Trees
- G5009 Mechanical Tree Planters
- G5010 Autumn Colors

#### Flowers, Houseplants
- G6510 Caring for Houseplants $0.75
- G6511 Care of Flowering Potted Plants $1.00
- G6515 Lighting Indoor Houseplants $0.75
- G6520 Terrariums $0.75
- G6540 Drying Flowers and Foliage for Arrangements $0.75
### Insects and Diseases

<table>
<thead>
<tr>
<th>Book Title</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Livestock, Crops</td>
<td></td>
</tr>
<tr>
<td>G7011: Beef Cattle Lice Control</td>
<td>$0.25</td>
</tr>
<tr>
<td>G7012: Making and Using a Cattle Backrubber</td>
<td></td>
</tr>
<tr>
<td>G7013: Protecting Cattle from Horse Flies</td>
<td></td>
</tr>
<tr>
<td>G7020: Controlling External Parasites of Swine</td>
<td></td>
</tr>
<tr>
<td>G7030: Fly Control in Caged Layer Buildings</td>
<td></td>
</tr>
<tr>
<td>G7110: Corn Earworm in Missouri</td>
<td>$0.50</td>
</tr>
<tr>
<td>G7111: Southwestern Corn Borer Management in</td>
<td></td>
</tr>
<tr>
<td>Missouri</td>
<td></td>
</tr>
<tr>
<td>G7112: Black Cutworm in Missouri</td>
<td></td>
</tr>
<tr>
<td>G7113: European Corn Borer: A Multiple-Crop Pest</td>
<td></td>
</tr>
<tr>
<td>in Missouri</td>
<td></td>
</tr>
<tr>
<td>G7114: Seedcorn Maggot</td>
<td></td>
</tr>
<tr>
<td>G7115: Management of the Armyworm Complex in</td>
<td></td>
</tr>
<tr>
<td>Missouri Field Crops</td>
<td></td>
</tr>
<tr>
<td>G7116: Quick Reference Insecticide Spray Guide: Corn</td>
<td></td>
</tr>
<tr>
<td>G7117: Quick Reference Insecticide Spray Guide: Cotton</td>
<td></td>
</tr>
<tr>
<td>G7118: Quick Reference Insecticide Spray Guide: Rice</td>
<td></td>
</tr>
<tr>
<td>G7119: Quick Reference Insecticide Spray Guide: Soybean</td>
<td></td>
</tr>
<tr>
<td>G7120: Quick Reference Insecticide Spray Guide: Wheat</td>
<td></td>
</tr>
<tr>
<td>G7140: Sorghum Midge in Missouri</td>
<td></td>
</tr>
<tr>
<td>G7150: Soybean Pest Management: Bean Leaf</td>
<td></td>
</tr>
<tr>
<td>G7151: Soybean Pest Management: Stink Bugs</td>
<td></td>
</tr>
<tr>
<td>G7152: Soybean Pest Management: Deces Stem Borer</td>
<td></td>
</tr>
<tr>
<td>G7180: Hessian Fly Management on Wheat</td>
<td></td>
</tr>
<tr>
<td>G7185: Black Walnut Curculio</td>
<td>$0.50</td>
</tr>
<tr>
<td>G7190: Insect Borers of Fruit Trees</td>
<td>$0.75</td>
</tr>
<tr>
<td>Home and Garden</td>
<td></td>
</tr>
<tr>
<td>G7250: The Bagworm in Missouri</td>
<td>$0.25</td>
</tr>
<tr>
<td>G7251: The Mimosa Webworm in Missouri</td>
<td></td>
</tr>
<tr>
<td>G7254: Elm Phloem Necrosis</td>
<td></td>
</tr>
<tr>
<td>G7259: Periodical Cicadas in Missouri</td>
<td>$0.25</td>
</tr>
<tr>
<td>G7270: Insect Defoliators of Missouri Trees: Colony Feeders</td>
<td>$0.25</td>
</tr>
<tr>
<td>G7271: Insect Defoliators of Missouri Trees: web</td>
<td></td>
</tr>
<tr>
<td>G7272: Insect and Mite Galls on Missouri Trees</td>
<td>$0.25</td>
</tr>
<tr>
<td>G7273: Least-Toxic Control Methods to Manage</td>
<td>$0.50</td>
</tr>
<tr>
<td>G7274: Aphids, Scales, and Mites on Home Garden and Landscape Plants</td>
<td>$0.75</td>
</tr>
<tr>
<td>G7275: Managing Whiteflies on Indoor and Outdoor Plants</td>
<td>$0.25</td>
</tr>
<tr>
<td>G7276: Twig Girdler and Twig Pruner</td>
<td>$0.25</td>
</tr>
<tr>
<td>G7354: Hackberry Psyllids</td>
<td>$0.25</td>
</tr>
<tr>
<td>G7356: Elm Leaf Beetle</td>
<td>$0.25</td>
</tr>
<tr>
<td>G7358: Clover Mites</td>
<td></td>
</tr>
<tr>
<td>G7360: Boxelder Bug</td>
<td></td>
</tr>
<tr>
<td>G7362: Sowbugs, Pillbugs, Millipedes and Centipedes</td>
<td>$0.50</td>
</tr>
<tr>
<td>G7363: Springtails</td>
<td>$0.25</td>
</tr>
<tr>
<td>G7364: Scorpions</td>
<td></td>
</tr>
<tr>
<td>G7366: House-Invading Crickets</td>
<td>$0.25</td>
</tr>
<tr>
<td>G7368: Household-Invading Beetles</td>
<td></td>
</tr>
<tr>
<td>G7369: Multicolored Asian Lady Beetle</td>
<td>$0.50</td>
</tr>
<tr>
<td>G7370: Pantry Pests</td>
<td></td>
</tr>
<tr>
<td>G7372: Carpet Beetles and Clothes Moths</td>
<td></td>
</tr>
<tr>
<td>G7376: Silverfish and Firebrats</td>
<td>$0.25</td>
</tr>
<tr>
<td>G7380: Fleas</td>
<td>$0.50</td>
</tr>
<tr>
<td>G7382: Ticks</td>
<td>$0.50</td>
</tr>
<tr>
<td>G7384: Cockroaches</td>
<td>$0.50</td>
</tr>
<tr>
<td>G7386: Spiders</td>
<td>$0.25</td>
</tr>
<tr>
<td>G7388: Household Flies</td>
<td>$0.50</td>
</tr>
<tr>
<td>G7391: Bees and Wasps</td>
<td>$0.75</td>
</tr>
<tr>
<td>G7392: Ants</td>
<td>$0.75</td>
</tr>
<tr>
<td>G7394: Human Lice</td>
<td></td>
</tr>
</tbody>
</table>

### Horticulture, Other: Weed Control, Garden Soil, Propagation

<table>
<thead>
<tr>
<th>Book Title</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>G6950: Steps in Fertilizing Garden Soil: Vegetables and Annual Flowers</td>
<td>$0.50</td>
</tr>
<tr>
<td>G6954: Soil Testing for Lawns</td>
<td>$0.50</td>
</tr>
<tr>
<td>G6955: Improving Lawn and Landscape Soils</td>
<td>$0.50</td>
</tr>
<tr>
<td>G6956: Making and Using Compost</td>
<td>$0.75</td>
</tr>
<tr>
<td>G6957: How to Build a Compost Bin</td>
<td></td>
</tr>
<tr>
<td>G6958: Grass Clippings, Compost and Mulch:</td>
<td>$0.50</td>
</tr>
<tr>
<td>G6959: Don't Bag It Lawn Care</td>
<td>$0.50</td>
</tr>
<tr>
<td>G6960: Mulches</td>
<td>$0.50</td>
</tr>
<tr>
<td>G6965: Building and Using Hotbeds and Cold Frames</td>
<td>$0.75</td>
</tr>
</tbody>
</table>

### Trees, Shrubs

<table>
<thead>
<tr>
<th>Book Title</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>G6800: Selecting Landscape Plants: Shade Trees</td>
<td>$0.75</td>
</tr>
<tr>
<td>G6805: Selecting Landscape Plants: Flowering</td>
<td>$0.75</td>
</tr>
<tr>
<td>G6810: Selecting Landscape Plants: Uncommon</td>
<td>$0.75</td>
</tr>
<tr>
<td>G6815: Selecting Landscape Plants: Needled Evergreens</td>
<td></td>
</tr>
<tr>
<td>G6820: Selecting Landscape Plants: Broad-leaved Evergreens</td>
<td></td>
</tr>
<tr>
<td>G6825: Growing Azaleas and Rhododendrons</td>
<td>$0.75</td>
</tr>
<tr>
<td>G6830: Selecting Landscape Plants: Deciduous</td>
<td></td>
</tr>
<tr>
<td>G6835: Selected Ground Covers for Missouri</td>
<td>$0.75</td>
</tr>
<tr>
<td>G6840: Selecting Landscape Plants: Ornamental Vines</td>
<td>$0.75</td>
</tr>
<tr>
<td>G6850: How to Plant a Tree</td>
<td>$0.50</td>
</tr>
<tr>
<td>G6865: Fertilizing Shade Trees</td>
<td>$0.50</td>
</tr>
<tr>
<td>G6866: Pruning and Care of Shade Trees</td>
<td>$0.50</td>
</tr>
<tr>
<td>G6870: Pruning Ornamental Shrubs</td>
<td>$0.50</td>
</tr>
<tr>
<td>G6879: Irrigating Trees and Shrubs During Summer</td>
<td></td>
</tr>
<tr>
<td>G6881: Leaf Scorch of Ornamental Trees and Shrubs</td>
<td>$0.25</td>
</tr>
<tr>
<td>G6885: Preventing Construction Damage to Trees</td>
<td>$0.50</td>
</tr>
</tbody>
</table>

### Landscaping

<table>
<thead>
<tr>
<th>Book Title</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>G6900: Tree Placement on Home Grounds</td>
<td>$0.50</td>
</tr>
<tr>
<td>G6901: Developing the Landscape Plan</td>
<td>$0.50</td>
</tr>
<tr>
<td>G6902: Low-Maintenance Landscaping</td>
<td>$0.50</td>
</tr>
<tr>
<td>G6905: Landscaping Your Front Yard</td>
<td>$1.00</td>
</tr>
<tr>
<td>G6910: Landscape Plantings for Energy Savings</td>
<td>$0.50</td>
</tr>
<tr>
<td>G6911: Gardening in the Shade</td>
<td>$1.00</td>
</tr>
<tr>
<td>G6912: Water-Efficient Gardening and Landscaping</td>
<td>$0.75</td>
</tr>
<tr>
<td>G6930: Building Brick Walks and Patios</td>
<td>$0.25</td>
</tr>
</tbody>
</table>

### Agriculture, Other: Weed Control, Garden Soil, Propagation

<table>
<thead>
<tr>
<th>Book Title</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>G6950: Steps in Fertilizing Garden Soil: Vegetables and Annual Flowers</td>
<td>$0.50</td>
</tr>
<tr>
<td>G6954: Soil Testing for Lawns</td>
<td>$0.50</td>
</tr>
<tr>
<td>G6955: Improving Lawn and Landscape Soils</td>
<td>$0.50</td>
</tr>
<tr>
<td>G6956: Making and Using Compost</td>
<td>$0.75</td>
</tr>
<tr>
<td>G6957: How to Build a Compost Bin</td>
<td></td>
</tr>
<tr>
<td>G6958: Grass Clippings, Compost and Mulch:</td>
<td>$0.50</td>
</tr>
<tr>
<td>G6959: Don't Bag It Lawn Care</td>
<td>$0.50</td>
</tr>
<tr>
<td>G6960: Mulches</td>
<td>$0.50</td>
</tr>
<tr>
<td>G6965: Building and Using Hotbeds and Cold Frames</td>
<td>$0.75</td>
</tr>
</tbody>
</table>
Human Relations

GH6002 • Sexuality and Your Child: For Children Ages 3 to 7
GH6005 • Helpful Tips for Grandparents and Caregivers: Talking With Young People About Sex
GH6010 • Early Adolescence
GH6020 • Home Safety Checklist
GH6026 • Protecting Children from Unintentional Injuries
GH6041 • Creativity in Young Children
GH6113 • Understanding and Encouraging Your Young Child's Large Motor Development
GH6115 • Nature, Nurture and Early Brain Development
GH6116 • Sleep Soundly: How to Establish Good Sleep
GH6119 • Positive Discipline and Child Guidance
GH6121 • Infant and Toddler Basics: Development During the First Three Years
GH6122 • How Children Develop During the Preschool Years
GH6123 • Communicating Effectively With Children
GH6126 • Raising Kind Children
GH6127 • Nurturing Children's Talents
GH6128 • Toilet Training
GH6129 • Parenting: Success Requires a Team Effort
GH6130 • Developing a Parenting Plan: A Guide for Divorcing Parents
GH6150 • Journaling With Teens
GH6200 • Grandparents as Caregivers: Common Questions
GH6201 • Questions and Answers About Methamphetamines
GH6202 • When a Child's Parent Is Incarcerated
GH6203 • Tips for School Success: Common Questions for Grandparents
GH6204 • Making time for Family: Balancing Media Consumption - Questions for Parents and Grandparents
GH6235 • Development Through the School-Age Years
GH6500 • Fathering to Meet the Needs of Children
GH6600 • Helping Children Understand Divorce
GH6601 • Divorce and Adults
GH6602 • Activities for Helping Children Deal with Divorce
GH6603 • Financial Decision Making in Stepfamilies
GH6604 • Child Abuse and Neglect
GH6607 • Helping Infants and Toddlers Adjust to Divorce
GH6608 • Domestic Violence and Custody Issues
GH6610 • Creating a Strong and Satisfying Marriage
GH6611 • Helping Children Adjust to Divorce: A Guide for Teachers
GH6613 • Helping Preschoolers and Elementary-Age Children Adjust to Divorce
GH6614 • Long-Distance Parenting: A Co-Parenting Guide for Divorced and Separated Parents
GH6615 • Parenting from Prison: A Co-Parenting Guide for Divorced and Separated Parents
GH6616 • Helping Preteens and Adolescents Adjust to Divorce
GH6640 • Promoting Family Strengths

Integrated Pest Management

IPM1001 • Corn Diseases
IPM1002 • Soybean Diseases
IPM1003 • Integrated Pest Management and Missouri's Agriculture
IPM1004 • Integrated Pest Management in Missouri's Urban Environment
IPM1005 • Integrated Pest Management in Missouri's Green Industries
IPM1006 • Introduction to Crop Scouting
IPM1007 • Weed Identification and Herbicide Injury Guide
IPM1008 • Insect and Mite Pests of Apples
IPM1009 • Turfgrass and Weeds
IPM1010 • Biological and Integrated Control of Musk Thistle in Missouri
IPM1011 • Watermelon Bacterial Fruit Blotch
IPM1012 • Temperature Effects on Storage of Greenhouse, Ornamental and Turf Pesticides
IPM1013 • Pesticide Storage
IPM1015 • Thistle and Thistle-like Plants of Missouri
IPM1016 • Crop Nutrient Deficiencies and Toxicities (also send F248 Soil Nutrient Deficiencies & Toxicities Poster)
IPM1017 • Effects of Water pH on the Stability of Pesticides
IPM1018 • Weed Management Systems for Environmentally Sensitive Areas
IPM1019 • Caterpillars in Your Yard and Garden
IPM1020 • Turfgrass Insects
IPM1021 • Vine Weeds of Missouri
IPM1022 • Management of Soft Red Winter Wheat
IPM1023 • Missouri Weed Seeds
IPM1024 • Identifying Grass Seedlings
IPM1025 • Cotton Pests: Scouting and Management
IPM1026 • Using Integrated Pest Management in Greenhouses and Herbaceous Nurseries
IPM1027 • Best Management Practices for Nitrogen Fertilizer in Missouri
IPM1028 • Increasing Beneficial Insects in Row Crops and Gardens
IPM1029 • Identification and Management of Turfgrass Diseases
IPM1030 • Management of Glyphosate-Resistant Waterhemp in Corn and Soybean
IPM1031 • Weed and Brush Control Guide for Forages, Pastures and Noncropland
IPM1032 • Guide to Ticks & Tick-Borne Diseases
IPM1033 • Missouri Frost/Freeze Probabilities Guide
IPM1034 • Biological Pest Control
IPM1035 • Pest Management for Home Lawns

Manuals

M87 • Private Pesticide Applicator Reference Manual
**MP646** Rice Sheath Blight Control web $8.50
**MP651** 2014 Missouri Commercial Tree Fruit Spray Guide web $8.50
**MP663** Stain Removal From Washable Fabrics web $8.50
**MP666** Waste Management Systems for Dairy Herds $0.00
**MP667** Bed and Breakfast: Is It the Right Business for You? $4.00
**MP674** Workable Wardrobe $1.50
**MP676** Hometown Business: Plan and Control web $2.00
**MP685** Controlling Deer Damage in Missouri web $5.00
**MP687** MyActivity Pyramid Poster, (20 in. x 30 in.) $5.00
**MP688** Vernacular Architecture in Rural and Small Town Missouri: An Introduction $6.00
**MP689** A Quick Consumer Guide to Safe Food Handling $0.25
**MP690** Missouri Aquaculture Directory $0.00
**MP691** How to Compute Your Cost of Producing Milk - Worksheets web $2.00
**MP692** USDA Pesticide Recordkeeping Form - 50 per pad $0.75
**MP696** Stay Strong Stay Healthy Mini Poster (8 1/2 in. x 11 in.) $0.75
**MP711** Pecan Pest Management: Insects and Diseases $2.00
**MP722** Learning for Better Living: Reaching Your Goals $3.00
**MP727** Soil Sample Information for Commercial Fruits, Vegetables and Turfs $0.00
**MP729** Use of a Portable Chlorophyll Meter to Manage Crop Nitrogen in Rice $5.00
**MP733** Lawn and Garden Soil Test Interpretations and Fertilizer Recommendation Guide $5.00
**MP734** Cotton Seedling Diseases: Answers to Frequently Asked Questions $5.00
**MP735** Using MGA to Shorten the Beef Breeding Cycle $5.00
**MP737** Garden ‘n Grow: Leader Handbook $20.00
**MP738** Garden ‘n Grow: Gardner’s Notebook $20.00
**MP739** Split-Time AI: Using Estrus Detection Aids to Optimize Timed Artificial Insemination $1.00
**MP741** Plant/Weed Identification Form web $2.00
**MP742** Missouri State and Local Spending: A Fifty-State Comparison for 2002 $2.00
**MP743** Missouri State and Local Taxes and Revenues: A Fifty-State Comparison for 2002 $2.00
**MP745** Plant Biosecurity Preparedness Plan for U.S. Agricultural Producers $2.00
**MP747** The Impact of Livestock Production: A Case Study of Three Missouri Counties $2.00
**MP748** Animal Feeding Operations and Residential Land Value: Summary of Literature $2.00
**MP749** Crop Insurance in Missouri web $2.00
**MP750** Put Your Company on the web $2.00
**MP752** The Impact of Livestock Production on Local Economies: Summary of Literature $2.00
**MP760** Missouri State and Local Spending: A 50-State Comparison for 2012 $2.00
**MP761** Missouri State and Local Taxes and Revenues: A 50-State Comparison for 2012 $2.00
**MP800** Crop Water Use Program for Irrigation web $2.00
**MP917** Meat Goat Management Wheel – Spanish 2014 Version $9.00
**MP918** Seasonal and Simple for Food Service $15.00
**MP922** Grow Eat Grow - A Seasonal and Simple Guide to Gardening and Cooking with Kids $17.00
**MP923** Battle: Change From Within, Curriculum Viewing Guide — Schools $9.00
**MP924** Battle: Change From Within, Curriculum Viewing Guide — Community $9.00
**MP925** Battle: Change From Within, Curriculum Viewing Guide — 4-H $9.00
**MP926** Battle: Change From Within, Curriculum Viewing Guide — Schools, Community and 4-H $9.00
**MP927** Assessing Wildlife Habitats and Natural Resources in Neighborhoods and Urban Environments $30.00
**MP928** From Seed to Harvest and Beyond: Garden Journal and Calendar $15.00
**MP929** Turfgrass Disease Identification Form web $5.00
**MP931** Battle: Change From Within, Curriculum Viewing Guide — Schools (Spanish) $5.00
**MP950** Nematode Soil Sample Submission Form web $2.00
**MP951** Plant Analysis Form web $2.00
**MP952** Compost Analysis Information Form web $2.00
**MP953** Environmental Analysis Information Form web $2.00
**MP954** Greenhouse Media Analysis Information Form web $2.00
**MP955** ICP Analysis Information Form web $2.00
**MP956** Manure Analysis Information Form web $2.00
**MP957** Precision Agriculture Information Form web $2.00
**MP958** Research Soil Tests Information Form web $2.00
**MP959** Soil Nitrogen Test Information Form web $2.00
**MP960** Special Soil Tests Form web $2.00
**MP961** Water Analysis — Individual Tests Forms web $2.00
**MP962** Water Analysis - Special Test Packages Form web $2.00

**Midwest Plan Service**

**Publications**

**AED60** Cattle Feeding Buildings in the Midwest $8.00
**MWPS66** Cow-Calf Production in the U.S. Corn Belt $56.00

**MISCELLANEOUS PUBLICATIONS**

**FROM OTHER PROGRAMS**

**MWPS** See Midwest Plan Service, page 17
**MX70** Centennial Report 1870-1970 of the College of Agriculture: Paper Back $3.50
**MX71** Alfalfa - The High Quality Hay for Horses $0.50
**MX101** Impact of Continued Soil Erosion $0.00
**MX102** Soil Erosion Control Practices $0.00
**MX104** Soil Erosion and Sediment in Missouri $0.00
**MX105** Alfalfa - The High Quality Hay for Horses $0.50
**MX106** Impact of Continued Soil Erosion $0.00
**MX107** Soil Erosion Control Practices $0.00
**MX108** Soil Erosion and Sediment in Missouri $0.00
**MX328** National Pesticide Applicator Certification Core Manual $15.00

**MX331** Private Applicator Pesticide Training Study Guide web $2.00

**MX340** Clover Diseases I $0.75
**MX341** Clover Diseases II $0.75
**MX342** Tree Diseases I $0.75
**MX343** Tree Diseases II $0.75
**MX344** Tree Diseases III $0.75
**MX345** Turf Grass Diseases 1 $0.75
**MX348** Turf Pests I $0.75
**MX349** Turf Pests II $0.75
**MX350** Tree and Shrub Pests I $0.75
**MX357** Missouri Fertilizer Report $0.00
**MX380** Missouri Agricultural Liming Materials $0.00
**MX382** Missouri Fertilizer Tonnage Report $0.00
**MX387** Biotechnology: Generating Knowledge for a Better Tomorrow $0.00

**MX388** 2017 Midwest Vegetable Production Guide for Commercial Growers $12.00
### NCR367
- Strategies for Feeding the Ewe Flock
  - Cost: $2.00

### NCR368
- Sheep Pastures for the Midwest
  - Cost: $1.00

### NCR369
- Fine Particle Pollution: Residential Air Quality
  - Cost: $0.50

### NCR377
- Seed Lot Sampling
  - Cost: $0.25

### NCR426
- Renovating Old, Abandoned Apple Trees
  - Cost: $0.50

### NCR451
- Starling Management in Agriculture
  - Cost: $1.00

### NCR461
- Ornamental Grasses for the Midwest
  - Cost: $4.00

### NCR475
- Writing for a Changing World: Reaching Low Literacy Audiences With Print Material
  - Cost: $3.00

### NCR486
- Chemical Disease Controls for the Greenhouse Industry
  - Cost: $10.00

### NCR491
- Control of Diseases on Commercial Outdoor Flowers
  - Cost: $3.50

### NCR498
- Kitchen Planning: New and Remodeled
  - Cost: $1.75

### NCR528
- Diagnosing Shoot Boring Insects of Pines
  - Cost: $1.50

### NCR546
- Exploring the Categories
  - Cost: $12.00

### NCR547
- Alfalfa Management Guide
  - Cost: $1.00

### NCR553
- Insect Resistant Crops Through Genetic Engineering
  - Cost: $3.00

### NCR556
- Growing Perennials
  - Cost: $1.50

### NCR602
- BT Corn and European Corn Borer: Long-Term Success Through Resistance
  - Cost: $3.50

### NCR610
- Common Weed Seedlings of the North Central States
  - Cost: $3.00

### NCR610A
- Developing a Longer Range Strategic Farm Business Plan: Business Management for Farmers
  - Cost: $12.00

### NCR610B
- Managing the Overall Business: Business Management for Farmers
  - Cost: $17.00

### NCR610C
- Managing Production and Marketing Systems: Business Management for Farmers
  - Cost: $11.00

### NCR610D
- Acquiring and Managing Resources for the Farm: Business Management for Farmers
  - Cost: $16.00

### NCR610E
- Getting Established in Farming: Business Management for Farmers
  - Cost: $16.00

### NCR610F
- Planning the Late-career, Retirement-mode Years: Business Management for Farmers
  - Cost: $14.00

### NCR614
- Early Spring Weeds of No-Till Crop Production
  - Cost: $3.00

### NCR615
- Purchasing and Leasing Farm Equipment
  - Cost: $3.00

### PS29
- Corn Diseases I
  - Cost: $0.75

### PS101
- Corn Diseases II
  - Cost: $0.75

### PS102
- Soybean Diseases I
  - Cost: $0.75

### PS103
- Soybean Diseases II
  - Cost: $0.75

### PS104
- Wheat Diseases I
  - Cost: $0.75

### PS105
- Wheat Diseases II
  - Cost: $0.75

### PS106
- Alfalfa Diseases I
  - Cost: $0.75

### PS107
- Alfalfa Diseases II
  - Cost: $0.75

### PS108
- Cotton Diseases: An Aid to Identification and Control
  - Cost: $0.75

### PS111
- Corn Diseases III
  - Cost: $0.75

### PS112
- Corn Diseases IV
  - Cost: $0.75

### PS114
- Sorghum Diseases
  - Cost: $0.75

### PS115
- Sorghum Diseases II
  - Cost: $0.75

---

### Plant and Life Sciences Publishing

**PALS1**
- Site Assessment for Better Gardens and Landscapes
  - Cost: $19.90

**PALS2**
- The Woods in Your Backyard: Learning to Create and Enhance Natural Areas Around Your Home
  - Cost: $23.00

### Picture Sheets

**PS1**
- Principal Stored Grain Insects
  - Cost: $0.75

**PS4**
- Corn Insects - Above Ground
  - Cost: $0.75

**PS5**
- Corn Insects - Below Ground
  - Cost: $0.75

**PS6**
- Common Soybean Insects
  - Cost: $0.75

**PS7**
- Common Small Grain Insects
  - Cost: $0.75

**PS8**
- Common Forage Legume Insects
  - Cost: $0.75

**PS9**
- Vegetable Pests I
  - Cost: $0.75

**PS11**
- Stinging and Biting Pests
  - Cost: $0.75

**PS12**
- Cotton Insects and Mites
  - Cost: $0.75

**PS13**
- Beneficial Insects in Field Crops
  - Cost: $0.75

**PS14**
- Sunflower Insect Pests I
  - Cost: $0.75

**PS15**
- Sunflower Insect Pests II
  - Cost: $0.75

**PS16**
- Caterpillars on Field Crops I
  - Cost: $0.75

**PS17**
- Caterpillars on Field Crops II
  - Cost: $0.75

**PS20**
- Tobacco Insects: An Aid to Identification and Control
  - Cost: $0.75

**PS23**
- Pecan Insects and Diseases: An Aid to Identification and Control
  - Cost: $0.75

**PS28**
- Stored Grain Insects
  - Cost: $0.75

---

### Research Bulletins

**RB1054**
- Sanborn Field: Historical Perspective
  - Cost: $0.00

**RB1063**
- Effective Soil Water Potential For a Steady, Radial-Axial Flow System
  - Cost: $0.00

**RB1065**
- Southwest Missouri’s Changing Farm Supply Picture
  - Cost: $0.00

**RB1066**
- Vulnerability of Missouri Groundwater to Nitrate and Pesticide Contamination
  - Cost: $0.00

**RB1067**
- Light as a Factor in Corn Production
  - Cost: $0.00

**RB1068**
- Nitrogen as a Factor in Corn Production
  - Cost: $0.00

**RB1069**
- Compressive Strength of Dry Soil Crumbs
  - Cost: $0.00

**RB1070**
- Financial Performance of Missouri Local Farm Supply Cooperatives 1983-1990
  - Cost: $0.00

**RB1072**
- Precipitation Features of Climate for Selected Locations in Missouri
  - Cost: $0.00

### Station Bulletins

**SB1**
- Announcement to Farmers: The So-Called “Hatch Bill”.
  - Cost: $0.00

**SB419**
- The Land Grant College Movement
  - Cost: $0.00

**SB738**
- Poisonous Spiders and Other Venomous Arthropods in Missouri
  - Cost: $1.00

**SB769**
- Missouri College of Agriculture Through a Half Century (To 1961, Miller)
  - Cost: $0.00

**SB883**
- Centennial Report 1870-1970 of the College of Agriculture
  - Cost: $5.00

**SB1001**
- Recommended Chemical Soil Test Procedures for the North Central Region
  - Cost: $0.00

### Nutrition/Nutrition Curriculum

**N1**
- Adventures in Nutrition With the Show Me Chef
  - Cost: $0.25

**N2**
- Adventures in Nutrition With the Show Me Chef
  - Cost: $0.25

**N3**
- Adventures in Nutrition With the Show Me Chef
  - Cost: $0.25

**N4**
- Adventures in Nutrition With the Show Me Chef
  - Cost: $0.25

**N5**
- Adventures in Nutrition With the Show Me Chef
  - Cost: $0.25

**N6**
- Adventures in Nutrition With the Show Me Chef
  - Cost: $0.25

**N7**
- Adventures in Nutrition With the Show Me Chef
  - Cost: $0.25

**N8**
- Adventures in Nutrition With the Show Me Chef
  - Cost: $0.25

**N9**
- Adventures in Nutrition With the Show Me Chef
  - Cost: $0.25
<table>
<thead>
<tr>
<th>Item Number</th>
<th>Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>N386</td>
<td>MyActivity Pyramid for Kids</td>
<td>$0.25</td>
</tr>
<tr>
<td>N388</td>
<td>MyActivity Pyramid for Adults</td>
<td>$0.50</td>
</tr>
<tr>
<td>N574</td>
<td>Food Label Cards</td>
<td>$35.00</td>
</tr>
<tr>
<td>N576</td>
<td>Show Me Nutrition: Fresh Fruit and Vegetable Cards</td>
<td>$25.00</td>
</tr>
<tr>
<td>N577</td>
<td>Show Me Nutrition: Fruit Bingo Cards</td>
<td>$13.00</td>
</tr>
<tr>
<td>N580</td>
<td>Apps to Know From the Nutrition and Health Pros</td>
<td>web</td>
</tr>
<tr>
<td>N581</td>
<td>A SMART Start to Finding Nutrition and Health Apps</td>
<td>web</td>
</tr>
<tr>
<td>N600</td>
<td>Can-Do Recipes: Canned Chicken</td>
<td>web</td>
</tr>
<tr>
<td>N606</td>
<td>Can-Do Recipes: Ramen Noodles</td>
<td>web</td>
</tr>
<tr>
<td>N611</td>
<td>Can-Do Recipes: Rice</td>
<td>web</td>
</tr>
<tr>
<td>N622</td>
<td>Can-Do Recipes: Tuna</td>
<td>web</td>
</tr>
<tr>
<td>N631</td>
<td>Can-Do Recipes: Tomatoes</td>
<td>web</td>
</tr>
<tr>
<td>N640</td>
<td>Can-Do Recipes: Corn</td>
<td>web</td>
</tr>
<tr>
<td>N650</td>
<td>Can-Do Recipes: Green Beans</td>
<td>$0.50</td>
</tr>
<tr>
<td>N656</td>
<td>Can-Do Recipes: Canned Cranberries</td>
<td>$0.50</td>
</tr>
<tr>
<td>N675</td>
<td>Can-Do Recipes: Elbow Macaroni</td>
<td>$0.50</td>
</tr>
<tr>
<td>N676</td>
<td>Can-Do Recipes: Canned Pineapple</td>
<td>$0.50</td>
</tr>
<tr>
<td>N714</td>
<td>Youth Parent Soak: Take a Taste for You and Your Baby</td>
<td>$8.00</td>
</tr>
<tr>
<td>N750</td>
<td>Healthily Ever After</td>
<td>$40.00</td>
</tr>
<tr>
<td>N751</td>
<td>Healthily Ever After DVD</td>
<td>$10.00</td>
</tr>
<tr>
<td>N755</td>
<td>Eating from the Garden curriculum</td>
<td>$80.00</td>
</tr>
<tr>
<td>N760</td>
<td>Food From the Farm – kindergarten farm to School</td>
<td>$50.00</td>
</tr>
<tr>
<td>N761</td>
<td>From the Farm to You (book)</td>
<td>$7.50</td>
</tr>
<tr>
<td>N762</td>
<td>From the Farm to You (DVD)</td>
<td>$9.00</td>
</tr>
<tr>
<td>N763</td>
<td>Tomato Truck Stickers – From the Farm to You (1000</td>
<td>$10.00</td>
</tr>
<tr>
<td>N764</td>
<td>From the Farm to You Coloring Book</td>
<td>$1.00</td>
</tr>
<tr>
<td>N800</td>
<td>Kids in the Kitchen</td>
<td>$50.00</td>
</tr>
<tr>
<td>N851</td>
<td>I Like to Move It! Stickers (600 stickers per roll</td>
<td>$36.00</td>
</tr>
<tr>
<td>N852</td>
<td>Body Cues Poster</td>
<td>$7.00</td>
</tr>
<tr>
<td>N899</td>
<td>Two Meals for $10</td>
<td>web</td>
</tr>
<tr>
<td>N898</td>
<td>Two Meals for Ten Bucks</td>
<td>web</td>
</tr>
<tr>
<td>N901</td>
<td>Three Holiday Dishes for $10</td>
<td>$0.25</td>
</tr>
<tr>
<td>N902</td>
<td>Two Meals for $10 (version 3)</td>
<td>web</td>
</tr>
<tr>
<td>N903</td>
<td>Two Meals for $10 (version 4)</td>
<td>$0.25</td>
</tr>
<tr>
<td>N909</td>
<td>Show Me Nutrition for Kids pocket folder</td>
<td>$1.00</td>
</tr>
<tr>
<td>N1003</td>
<td>Food Safety Poster (20 x 30 in)</td>
<td>$7.00</td>
</tr>
<tr>
<td>N1018</td>
<td>Make Your Calories Count Poster (20 x 30 in)</td>
<td>$7.00</td>
</tr>
<tr>
<td>N1047</td>
<td>Milk and Dairy Poster (20 x 30 in)</td>
<td>$7.00</td>
</tr>
<tr>
<td>N1300</td>
<td>Shopping Safely at Farmers Markets Leaders Guide</td>
<td>web</td>
</tr>
<tr>
<td>N1301</td>
<td>Shopping Safely at Farmers Markets Fact Sheet</td>
<td>web</td>
</tr>
<tr>
<td>N1302</td>
<td>Volunteer Quantity Cooking Safety Leader’s Guide</td>
<td>web</td>
</tr>
<tr>
<td>N1303</td>
<td>Volunteer Quantity Cooking Safety Fact Sheet</td>
<td>web</td>
</tr>
<tr>
<td>N1304</td>
<td>Regulations for Selling Safe Canned Foods in Missouri</td>
<td>web</td>
</tr>
<tr>
<td>N1305</td>
<td>Food Labeling for Missouri Food Processors Fact Sheet</td>
<td>web</td>
</tr>
<tr>
<td>N1306</td>
<td>Meat Product Labeling and Marketing – What Do</td>
<td>web</td>
</tr>
</tbody>
</table>
### WATER QUALITY INITIATIVE

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>EQ215</td>
<td>Laboratory Analysis of Manure</td>
<td>$0.50</td>
</tr>
<tr>
<td>EQ219</td>
<td>Separation Distances for Livestock Manure Management Systems</td>
<td>$0.25</td>
</tr>
<tr>
<td>EQ301</td>
<td>Dairy Manure Management Systems in Missouri</td>
<td>$0.50</td>
</tr>
<tr>
<td>EQ327</td>
<td>Calibration of Lagoon Irrigating Equipment</td>
<td>$1.00</td>
</tr>
<tr>
<td>EQ350</td>
<td>Swine Manure Management Systems in Missouri</td>
<td>$0.75</td>
</tr>
<tr>
<td>EQ349</td>
<td>Hog Manure and Domestic Wastewater Management Objectives</td>
<td>$0.50</td>
</tr>
<tr>
<td>EQ351</td>
<td>Fertilizer Nutrients in Livestock and Poultry Manure Management</td>
<td>$1.00</td>
</tr>
<tr>
<td>EQ352</td>
<td>Manure Management in Hoop Structures</td>
<td>$0.50</td>
</tr>
<tr>
<td>EQ353</td>
<td>Crystallization in Lagoon Effluent Recycle</td>
<td>$0.50</td>
</tr>
<tr>
<td>EQ377</td>
<td>Beef Manure Management Systems in Missouri</td>
<td>$0.75</td>
</tr>
<tr>
<td>EQ378</td>
<td>Selecting a Site for Livestock and Poultry Operations</td>
<td>web</td>
</tr>
<tr>
<td>EQ379</td>
<td>Managed Grazing Systems and Fencing for Distribution of Beef Manure</td>
<td>$1.00</td>
</tr>
<tr>
<td>EQ380</td>
<td>Pumps and Watering Systems for Managed Beef Grazing</td>
<td>$1.00</td>
</tr>
<tr>
<td>EQ381</td>
<td>Water Quality for Livestock Drinking</td>
<td>$0.50</td>
</tr>
<tr>
<td>EQ383</td>
<td>Land Application Equipment for Livestock and Poultry Manure Management</td>
<td>$1.50</td>
</tr>
<tr>
<td>EQ385</td>
<td>Picket Dam Storage for Cattle Manure</td>
<td>$1.00</td>
</tr>
<tr>
<td>EQ387</td>
<td>Anaerobic Lagoons for Storage/Treatment of Livestock Manure</td>
<td>$1.00</td>
</tr>
<tr>
<td>EQ388</td>
<td>Earthen Pits (Basins) for Liquid Livestock Manure</td>
<td>$1.00</td>
</tr>
<tr>
<td>EQ389</td>
<td>Storage Tanks for Liquid Livestock Manure</td>
<td>$0.50</td>
</tr>
<tr>
<td>EQ392</td>
<td>Economic Considerations for Beef Manure Management Systems</td>
<td>$1.50</td>
</tr>
<tr>
<td>EQ401</td>
<td>Septic Tank/Absorption Field Systems: A Homeowner's Guide to Installation and Maintenance</td>
<td>$2.00</td>
</tr>
<tr>
<td>EQ453</td>
<td>Precision Agriculture: Remote Sensing and Ground Truthing</td>
<td>$1.50</td>
</tr>
<tr>
<td>EQ500</td>
<td>Protecting Water Quality During Lawn Establishment and Renovation</td>
<td>$1.50</td>
</tr>
<tr>
<td>EQM100</td>
<td>An Introduction to Assessing the Environmental Safety of Your Home</td>
<td>$0.75</td>
</tr>
<tr>
<td>EQM101</td>
<td>Site Assessment: Protecting Water Quality Around Your Home (fact sheet and work sheet)</td>
<td>$1.25</td>
</tr>
<tr>
<td>EQM102</td>
<td>How to Manage and Control Storm Water Runoff (fact sheet and work sheet)</td>
<td>$1.25</td>
</tr>
<tr>
<td>EQM103</td>
<td>Drinking Water Well Management (fact sheet and work sheet)</td>
<td>$1.50</td>
</tr>
<tr>
<td>EQM104</td>
<td>Household Wastewater: Septic Systems and Other Treatment Methods (fact sheet and work sheet)</td>
<td>$2.00</td>
</tr>
<tr>
<td>EQM105</td>
<td>Yard and Garden Care: How it Affects Your Health and Environment (fact sheet and work sheet)</td>
<td>$1.00</td>
</tr>
<tr>
<td>EQM106</td>
<td>Home<em>A</em>Syst Series-EQM100, EQM101, EQM102, EQM103, EQM104, EQM105</td>
<td>$4.00</td>
</tr>
</tbody>
</table>

**Consultant to Design Animal Waste Management Facilities**

- What Is Nitrogen? $0.00
- Nitrogen Cycle $0.00
- Nitrogen's Most Common Forms $0.00
- Nitrification $0.00
- Denitrification $0.00
- How Nitrogen Enters Groundwater $0.00
- Ammonia Volatilization $0.00
- Nitrate Partitioning $0.00
- Nitrogen in the Plant $0.00
- Mineralization - Immobilization $0.00
- Nitrogen Fixation $0.00
- Leaching $0.00
- Essential Plant Nutrients $0.00
- Nitrogen Replacement Value of Legumes $0.00
- Lagoons for Storage/Treatment of Dairy $0.00
- Earthen Pits (Basins) for Liquid Dairy Waste $0.00
- Storage Tanks for Liquid Dairy Waste $0.00
- Fertilizer Nutrients in Dairy Manure $0.00
- Flushing Systems for Dairies $0.00
- Spreading Dairy Waste With Lab Analysis and With Soil Test $0.00

**Nitrate in Drinking Water**

- How Nitrogen Enters Groundwater $0.00
- Contamination From Fertilizer Storage and 
  Processing $0.25
- Contamination From Pesticide Storage and 
  Application $1.50
- Calibration of Manure Spreader Uniformity $0.00
- Spreading Poultry Litter With Lab Analysis but Without Soil Tests $0.00
- Selecting and Working With an Engineering web $0.00

**Consultant to Design Animal Waste Management Facilities**

- What Is Nitrogen? $0.00
- Nitrogen Cycle $0.00
- Nitrogen's Most Common Forms $0.00
- Nitrification $0.00
- Denitrification $0.00
- How Nitrogen Enters Groundwater $0.00
- Ammonia Volatilization $0.00
- Nitrate Partitioning $0.00
- Nitrogen in the Plant $0.00
- Mineralization - Immobilization $0.00
- Nitrogen Fixation $0.00
- Leaching $0.00
- Essential Plant Nutrients $0.00
- Nitrogen Replacement Value of Legumes $0.00
- Lagoons for Storage/Treatment of Dairy $0.00
- Earthen Pits (Basins) for Liquid Dairy Waste $0.00
- Storage Tanks for Liquid Dairy Waste $0.00
- Fertilizer Nutrients in Dairy Manure $0.00
- Flushing Systems for Dairies $0.00
- Spreading Dairy Waste With Lab Analysis and With Soil Test $0.00

**Nitrate in Drinking Water**

- How Nitrogen Enters Groundwater $0.00
- Contamination From Fertilizer Storage and 
  Processing $0.25
- Contamination From Pesticide Storage and 
  Application $1.50
- Calibration of Manure Spreader Uniformity $0.00
- Spreading Poultry Litter With Lab Analysis but Without Soil Tests $0.00
- Selecting and Working With an Engineering web $0.00
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>WQ654</td>
<td>Assessing the Risk of Groundwater Contamination From Petroleum Product Handling</td>
<td>$1.50</td>
</tr>
<tr>
<td>WQ655</td>
<td>Assessing the Risk of Groundwater Contamination From Hazardous-Waste Management</td>
<td>$1.75</td>
</tr>
<tr>
<td>WQ656</td>
<td>Assessing the Risk of Groundwater Contamination From Household Wastewater Treatment</td>
<td>$1.75</td>
</tr>
<tr>
<td>WQ657</td>
<td>Assessing the Risk of Groundwater Contamination From Animal Manure Management Facilities</td>
<td>$2.50</td>
</tr>
<tr>
<td>WQ658</td>
<td>Reducing the Risk of Groundwater Contamination by Site Evaluation</td>
<td>$1.50</td>
</tr>
<tr>
<td>WQ659</td>
<td>Assessing the Risk of Groundwater Contamination - Overall Farmstead</td>
<td>$0.75</td>
</tr>
<tr>
<td>WQ660</td>
<td>Introduction to Farm<em>A</em>Syst Series: An Action Program for Safe Drinking Water Well Conditions</td>
<td>$0.00</td>
</tr>
<tr>
<td>WQ677</td>
<td>Reducing the Risk of Groundwater Contamination by Improving Fertilizer Storage and Handling</td>
<td>web</td>
</tr>
<tr>
<td>WQ678</td>
<td>Reducing the Risk of Groundwater Contamination by Improving Petroleum-Product Storage</td>
<td>web</td>
</tr>
<tr>
<td>WQ679</td>
<td>Reducing the Risk of Groundwater Contamination by Improving Hazardous Waste Management</td>
<td>web</td>
</tr>
<tr>
<td>WQ680</td>
<td>Reducing the Risk of Groundwater Contamination by Improving Household Wastewater Treatment</td>
<td>web</td>
</tr>
<tr>
<td>WQ681</td>
<td>Reducing the Risk of Groundwater Contamination by Improving Animal Manure Management</td>
<td>web</td>
</tr>
</tbody>
</table>
Farm Machinery
- Balers (Large Round) - G1250, G1955, G1957
- Capacity - G363
- Farm Shop - G1978
- Grain Bins - G1300, G1305, G1310
- Hay Equipment - G1250
- Manure Application - See Manure
- Mechanical Tree Planters - G5009
- Oil - G1230
- Radial Tires - G1231
- Sprayers - G4852
- Tractors - G1236, G1960
- Tractor Tires - G1235

Farm Management
- See also Business, Home Economics
- Adding Value - G640
- Alternative Crops - G4090
- Animal Care Facilities Act - G9902
- Animal Handling Safety - G1931
- Beef Heifer Development - G2041
- Beef Mgt. - See Beef
- Beef Records - G2005
- Biosecurity (Swine) - G2340
- Breeding - See Beef, Dairy, Livestock, Horse
- Business Management - NCR610A, NCR610B, NCR610E
- Business Plan - NCR610A
- Conservation - See Conservation
- Contracts (Land Improvement) - NCR56
- Cordwood - G5452
- Corn - See Corn
- Cow/Calf Operation - M147
- Crop Marketing - G600
- Crop-Share Leasing - G424
- Crops - See Field Crops
- Crossbreeding - G2040
- CRP Conversion - G1651
- Custom Farming - G302
- Dairy - See Dairy
- Dead Animal Disposal - WQ216
- Disease Mgt. - M163
- Employees - See Employer Energy - See Energy
- Family Farm - G620
- Farm Corporation - NCR11
- Farm Newsletter - G419
- Farming With One Tractor - G1236
- Field Crops - See Field Crops
- Fieldwork - G362, G363, G9402
- Flexible Cash Rental - G423
- Forages - See Forages
- Forest Management - See Forestry
- Fugitive Dust - G1885
- Getting Started in Farming Business Management - NCR610E
- Grow Your Farm - G218, G1574
- Home Farm - EC938
- Inherited - EC939
- On Your Own - EC936
- Part-Time - EC937
- Resume Design - G420
- Grain Storage - EC960
- Grazing - EV12
- Hand Signals - G1965
- Hatch Bill - SB1
- Hay - See Hay
- Home Farm - EC938
- Insect Control - See Insects
- Insurance - See Insurance Investment
- Investment Basics
- Land Grading - G1641
- Land Value - G404, MP748
- Late-Career - NCR610F
- Laws - See Laws & Legal Leasing Agreements - See Leasing
- Liability - G451, G453, G851
- Livestock - See Beef, Dairy, Swine, Sheep, Poultry, Horses
- Livestock Production Impact - MP747, MP748
- Management Resources - NCR610D
- Manure - See Manure
- Marketing (Beef) - M153
- Marketing Strategies - SX1011
- Marketing Systems - NCR610C
- Meat Prices - G200, G202
- Milk Production Cost - G3651, MP691
- New Farmer Network Groups - SR504
- No-Till Costs - G355
- Partnerships - G511
- Pasture - M158
- Pest Control - See Pest Control
- Poultry - See Poultry
- Production Management - NCR610C
- Real Estate - See Real Estate
- Record System - See Farm Records
- Research (Conducting) - SX1009
- Retirement - NCR610F
- Ridge-Tilling - G1652
- Soil Test Reports - G9112
- Soybeans - See Soybeans
- Taxes - See Taxes
- Terracing - G1500
- Tillage - See Tillage
- Transfer Price - G642
- USDA Pesticide Requirements - MP692
- Value Added - G641, G642
- Waste Mgt System - EQ219, WQ224, EQ301
- Water Sources - G1800, G1805
- Water System - G1801, G1979
- Weather Patterns - G9350
- Weed Control - See Plant Pest
- Wheat - See Wheat
- Farm Records
- Beef Performance - G2005
- Business Management - NCR610E
- Business Plan - NCR610A
- Crop-Share Leasing - G424
- Flexible Cash Rental - G423
- Marketing - NCR610C
- Manure - See Manure
- Missouri Farm Tax - FM6701, FM6702
- Newsletter - G419
- Production - NCR610C
- Restricted-Use Pesticide - MP693
- Swine Management Check Sheet - G2509
- USDA Pesticide - MP692
- Utilization (Beef) - G2033, G2034
- Farm Resume Design - G420
- Farm Supply - RB1065
- Farming Market - N1300, N1301
- See also Entrepreneurial
- Farming - See Human Development
- Fats
- Feeding (Livestock) - See Beef, Swine, Poultry, Horse, Dairy, Forages
- Fencing
- Constructing - G1192
- Electric - MP685
- High-Tensile Wire - MP685
- Laws - G810, G811
- Wire - G1191
- Fertilizer, Fertilizing
- Anhydrous Ammonia - G920
- Animal Waste - See Waste
- Corn (No-till) - G9176
- Food Processing Plant Waste - G9332
- Garden - G6950, MP733
- Grain Sorghum (No-till) - G9176
- Lawn - G6749, G6954, MP733
- Lime - G9102, G9107
- Manure - See Manure
- Nitrogen - G9175, G9177, G9218
- Phosphorus - G9180, G9181, G9182, G9220, NCR187
- Portable Storage - P74401
- Potassium - G9185
- Ridge Tilling - G1652
- Sorghum - G9176
- Urea Fertilizer - NCR326
- Fence
- Fungus - G4646
- Seed Production - G4670
- Till - G4670
- Toxicosis - G4669
- Fetal Alcohol Syndrome - CB15
- Fiddling (Missouri Traditional)
- CD - MX946
- Field Crops
- See also Corn, Wheat, Soybeans, Sunflowers, Rice, Cotton, Grain Sorghum
- Alternative Crops - G4090
- Armyworm Complex - G7115
- Atrazine - G4851, M167
- Buckwheat - G4306
- Beneficial Insects - IPM1028, IPM1034, PS13
- Converting CRP to Crop Prod. - G1651
- Cover Crops - G4161
- Crop Insurance - G457, MP749
- Crop Marketing - G600
- Crop Scouting - IPM1006, IPM1007
- Cropping System - G4099
- Crop-Share Leasing - G424
- Double Crop Management - G4090, G4953
- Fertilizing - See Fertilizing
- Fieldwork Days - G363
- Flexible Cash Rental - G423
- Fugitive Dust - G1885
- Herbicides - See Herbicides
- History - SR385
- Insect Control - See Insects
- Management - G4099
- Missouri System - M165
- Multiple Peril Crop - MP627
- Nitrogen - See Nitrogen
- No-Till - See Tillage
- Farming (Conducting) - SX1009
- Fugitive Dust - G1885
- Herbicides - See Herbicides
- History - SR385
- Insect Control - See Insects
- Management - G4099
- Missouri System - M165
- Multiple Peril Crop - MP627
- Nitrogen - See Nitrogen
- No-Till - See Tillage
Flowers
See also Houseplants
Annuals - G6629
Azaleas - G6825
Commercial Disease
Control - NCR491
Daffodils - G6610
Drying - G6540
Fertilizing Annuals - G6890
Gladiolus - G6620
Home Propagation - G6560, G6970, MG3
Indoor Blooming (Spring Bulbs) - G6550
Perennials - G6650, NCR556
Potted Plants - G6511
Rhododendrons - G6825
Roses - See Roses
Starting Plants - G6570
Trees - G6805
Wildflowers - G6660
Folic Acid – CB15

Ingredient Substitution – MP564
Menus – N354
Missouri Mix – GH1055
Nuts – MP602
Pantry Pests – G7370
Peaches - MP585
Pumpkin - MP601
Tomatoes - MP587
Yields – MP563
Yogurt - GH1183

Food Preservation
See also Canning, Freezing, Drying
Apples - MP600
Blueberries - MP583
Canning Complete – CB20, MX950
Canning Basics – CB20, GH1451
Canning Success - GH1452
Corn - MP584
Country Curing Bacon - G2528
Country Curing Hams - G2526
Curriculum – CB20
Fish - GH1490
Fish - GH1455
Grapes - MP599
Green Beans - MP586
Honey - MP603
Jams, Jellies - GH1461
Meat - GH1490
Nuts - MP602
Peaches - MP585
Pickles - GH1457, GH1459
Poster – F408
Poultry - GH1490
Pumpkin - MP601
Sweet Corn - MP584
Tomatoes - GH1456, MP587
Vegetables - GH1454

Food Safety
Canned Food Selling – N1304
Coloring Book – N3023
Drinking Water Bacteria - WQ102
Earthquake - G1905
Farmers Markets – N1308
Groundwater Contamination - WQ651-657, WQ675-681
Medicine & You - NCR213
Nitrate (Drinking Water) - WQ103
Nitrate & Water - G9808
Poster – N1003
Safe Drinking Water - WQ650, WQ660
Safe Food Handling - MP689, MX996
Steps – G350
Thermometers – N360
Volunteer Quantity
Cooking – N1302, N1303
Water Testing – WQ100, WQ101
Water Treatment Systems (Home) - WQ104
Wild Mushrooms - NCR100

Food Storage
See also Food Preservation
Commensal - GH1119
Cupboard – MP557, N358
Flour - GH1116
Freezer – MP556, N358
Honey - GH1120
Pantry Pests - G7370
Refrigeration - MP585, N358
Root Cellars – MP562
Vegetables - G6226

Food Service Operation
Breads (Quantity) - UED54
Condiments (Quantity) - UED55
Main Entrees (Quantity) - UED56
Salad Dressings (Quantity) - MP569
Salads (Quantity) - UED53
Sandwiches (Quantity) - UED54
Soups (Quantity) - UED54

Forages
Alfalfa - See Alfalfa
Bermudagrass - G4620
Big Bluestem - G4673
Birdsfoot Trefoil - G4640, G4642
Bluegrass - G4610, G4642
Brome grass - G4672
Caucasian Bluestem - G4674
Clover - See Clover
Common Forages – M169
Common Legume Insects - PS8
Crownvetch - G4510
Determine Energy Content - G3150
Determine Moisture (using Microwave Oven) - G3151
Eastern Gamma Grass - G4671
Establishing - G4650
Fescue - G4646, G4670
Fescue Fungus - G4646
Garrison Creeping Foxtail - G4649
Grasshopper Control - G4563
Indian grass - G4673
Irrigation – G1696, G1697
Lespedeza - G4516, G4690
Management-Intensive Grazing - M157, M158
Management – CB10, M152
Orchardgrass – G4511
Production Report - See Production Report
Red Clover - G4638
Reed Canarygrass - G4649
Rye grass - G4649
Seeding - G4652
Sudangrass - G4661
Switchgrass - G4673
Temporary Forage - G4661
Weed Control – IPM1031

Forestry
See also Agroforestry
Fruit
See Apples, Apricots, Blackberries, Blueberries, Cherries, Grapes, Gooseberries, Nectarines, Peaches, Pears, Plums, Raspberries, Strawberries, Watermelon

Canning - See Canning Food

Drying - See Drying Food Freeze Damage - XR1 Freezing - See Freezing Food

Grazing - EQ379, EQ380, Emissions - G310 Groundwater - See also Water, Drinking Water, Groundwater, Wells

Fuel & Oil

Future
Food for 21st Century - SR285

Future - See also Stock Market

G
Games - See Child Development

Gardening
Budding - G6972
Buying Chemicals - G1911
Calender - MP928
Children, MP737, MP738

Herbicides - See Herbs

Green Beans - MP586
Home-Prepared Food - GH1505
Meat - GH1504

Partial Page 31
Handicap - See Disabled Persons

Hardware Disease - G7700

Health (Human)

Hay
See also Alfalfa
Baler - G1250
Bermudagrass - G4620
Big Bluestem - G4673
Birdsfoot Trefoil - G4640, G4642
Bluegrass - G4610, G4642
Caucasian Bluestem - G4674
Crownvetch - G4510
Feeding (Beef) – G4570
Fescue - G4646, G4670
Fescue Fungus - G4646
Indiangrass - G4673
Large Bales - G1955, G1957
Lespedeza - G4515
Making Quality - G4575
Management - G1955
Red Clover - G4638
Safety - G1957
Soil Sampling – G9217
Storing - G4575
Switchgrass - G4673

Healthcare (Human)

Apps – N580, N581
Chiggers - G7398
Common Cold - MP565
Deciding to Be Healthy - GH6656
Disabled - See Disabled Persons
Elderly
Blindness - GG10, GG12
Dental - GG5
Exercise – DVD31, GG3, MP696
Medicine Use - NCR213
Exercice – DVD31, GH1900, MP696
Family Health - GH6656
Farm Accidents - G1950
Fit for Life - GH6655
Flu – EMW1020, EMS1020
Food Decisions – N361
Food for the 21st Century - SR285
Food & Medicine - NCR213
Heal – EMW1013
Influenza – EMW1020, EMS1020
Insurance curriculum – CB24, CB25
Lice - G7394
Magazine – MX996
Medicine Use - NCR213
Pesticide Poisoning - G1915
Nitrate Poisoning - G9800, G9802, G9808, G9811
Noise - G1962
Nutrition - See Nutrition
Occupational Safety &Health Act - G1961
Poison Ivy - G4880
Rabies - G1931, G9940
Radin - G1968
Respiratory Hazards - G1935
Self-Esteem (Women) - GH6652
Wellness (Retirement) - NCR263

Herbicide
Atrazine - G4851, M167
Resistance - G4907
Symptoms (Dry Edible Beans) - NCR158
Herbs - G6470, N362

History
10 Year U.S. Ag Outlook - SR492
Agriculture - G925
Benton, Thomas Hart – Boone County, MO
BLU14, DVD14
Boone County, MO (Courthouses) - UED52
Centennial Report College of Agriculture 1870-1970 - MX70, SB883
County Agent - UED84, UED85
Fiddling - MX946
Hatch Act - SR388
Homeopathy - SR329
Land Grant College Movement - SB419
Missouri College of Agriculture - SB769, SB883
Missouri County Courthouses - UED52, UED62, See also numerical listing in front of Catalog
UED6001 thru UED6113
Mules - UED81
Oral History - GG8
Policy Choices - UED86
Revolution in the Heartland – MX929
Sanborn Field - MX390, RB1054
Technology - SR303
University of Missouri Dept. of:
Dairy Science - SR382
Entomology - SR380, SR469
Extension Education - SR386
Field Crops - SR385
Forestry, Fisheries & Wildlife - SR367
Horticulture - SR363
Plant Pathology - SR362
Poultry Science - SR354
Rural Sociology - SR361
Soils & Soil Science - SR413
Veterinary Medicine - SR366

Homeopathy - SR329

Home Based Business
Consignment - MP597
Marketing - MP596
Packaging - MP592
Pricing - MP598
Records by Mail - MP631
Sewing - NCR208
Will It Work - MP592

Home Economics
Credit - GH3341
Financial Recovery from Disaster – EMW1022
Goals - MP72
Home Ownership – GH5002
Insurance - See Insurance
Investing – See Investment Basics
Living on less - GH3600
Money Management - GH3830, MP25
Personal Finance Curriculum – CB27
Retirement Saving - See Retirement
Saving & Investing – GH 3520
Taxes - See Taxes
Valuable Papers - EC705
Home Improvements - See Housing
Home Repair – See Household Repair
Home Slaughtering & Processing - G2208, G2209, G2220

Hometown Business
Decision Making - DM463
Inventory - MP676
Shoplifters - MP658

Honey
Honey Bran Muffins - MP603
Honey and Spice Bread - MP603
Honey Bee Ambrosia - GH1120
Honey Butter - GH1120
Honey Butter Sauce - GH1120
Honey Raisin Bran Bars - GH1120
Honey Raisin Chicken with Honey-Butter Sauce - GH1120
Honey Raisin Chicken with Honey-Butter Sauce - GH1120
Preserving - MP603
Rice Pudding - GH1120

Horse
Alfalfa Hay - MX75
Blemishes - G2840, G2841
Breed - G2790
Breeds - G2845
Buying - G2835
Conformation - G2837
Determining Age - G2842
Feeding - G2806, G2807
Foot Anatomy - G2740
Ground Handling Safety - G2878
Haltering - G2844
Health - G2851
Hoof Care - G2825, G2839, G2840
Hunt Seat Riding - G2882
Internal Parasites - G2854
Judging
Conformation - G2837
Livestock Odor – G1884
Long Line Training - G2861
Legs - G2840, G2843
Pest Control - MP619
Pony Pleasure - G2870
Pre-Bit Hackamore - G2864
Psychology - G2862
Saddle - G2887
Safety - G2881, G2882
Selecting - G2836
Splints - G2742
Trail Riding - G2883, G2884
Training - G2861, G2864
Tying - G2844
Unsoundness - G2840, G2841

Horse Fly Protection – G7013
Horticulture - See Gardening
Horticulture Industry – SR493
Hotbeds - G6965
Hot Weather Stress (Beef) – G2098, G2099

Household Appliances
Demuhidifiers - G1710
Freezer - GH1506
Household Chemicals – GH1110

Household Equipment
Chimneys - G1735
Fireplaces - G1734
Heat - See Heating Insulation - See Insulation
Stovepipes - G1735
Tools - GH5978

Household Hazards
Game - WM5001
Identifying - WM6006
Managing - WM6004
Paint - WM6001
Pesticides - WM6000
Products - WM6003
Product Survey - WM5002
Safety Equipment - WM6002
Storing - WM6006
Household Repairs
Furniture Refinishing - GH2414
Repair Inspection – GH5984
Repair Specifications – GH5984

Housing
Accessory Apartments - GG14
Age Proof House - GH5482
Air Quality - NCR393
Bathroom Safety - GH7060
Bats - G9460
Chemicals – G6510
Children – G9461
Concentration – G6510
Construction - See Construction
Cooling - See Cooling
Elderly - MX400
Electricity - See Electricity
Environmental Protection - EQM100
Fire Protection - See Fire Protection
Heating - See Heating
Insulation - See Insulation
Insurance - GH3423
Inspection Guide - NCR320
Insulation - See Insulation
Kitchen Planning - See Kitchens
Lagoons - See Sewage
Mice - G9442, G9444
Mildew Prevention - GH5928
Mobile Homes - See Mobile Homes
Moisture Problems - G1710
Plumbing - EC914
Pollution - NCR393
Radon - G1968
Repairs - See Repairs
Safety - GH6020
Sewage Treatment - See Sewage
Septic Tank - See Sewage
Shared - GG14
Waste Disposal - See Sewage
Water - See Water
Water Quality - EQM101
Window Treatments - See Window Treatments
Vapor Control - EG5521

Houseplants
Care - G6510, NCR99
Flowering Potted - G6511
Home Propagation - G6560, MG3
Indoor Blooming - G6550
Lighting - G6515
Pest Control - G7273
Springtails - G7363
Starting Plants - G6570
Terrariums - G6520

Human Development
Brain Development – GH6115
Child - See Child Development
Elderly Caregiving - GH6657
Family at Risk Program - G1V10
Family Councils - GH6641
Family Health - GH6654
Family Strengths – GH6640
Fathering – GH6500
Fit for Life - GH6655
Health - GH6656
Intergenerational
Programs - GH6710
Journaling with Teens – GH6150
Living on Less - GH3600
Managing Money - GH3600
Marriage - See Marriage
Negotiation Skills - GH683
Parenting – See Parenting
Self Esteem - GH6652
Strengthening Tips - G623
Stress - GH6652
Teenagers - See Teens
Time Mgt. - GH6653

Hunting
Doves – G9417
Lease – G9420
Mules - G2925

Immigration to Missouri – DM7617, DM7619, DM7625
Implants (Beef) – G2090

Imports
Income Enhancement – G640
Independent Contractor - NCR546
Industrial Waste Audit – WM4

Industry
Hometown Business - See Hometown Business
Incubation (Poultry) - G8533

Insects
Ants - G7392
Aphid (Garden &Lawn) – G7274
Aphid (Sorghum) - G4349
Apple Insects – IPM1008
Apple Mites – IPM1008
Armyworm Complex – G7115
Bagworm - G7250
Basics – MG12
Bean Leaf Beetle – G7150
Bees – G7391, G7600, G7601, M402
Butterflies (Household) - G7368
Beneficial Insects – IPM1028, IPM1034PS13, PS25
Biological Control – IPM1034
Black Cutworm – G7112
Blister Beetle (Alfalfa) - G4569
Boxelder Bug - G7360
Carpenter Ants - G7423
Carpenter Bees - G7424
Carpenter Beetles - G7372
Caterpillars – IPM1019, PS16, PS17
Cattle Lice - G7011
Centipedes - G7362
Chiggers - G7398
Chironomid Midge - G7402
CIDAS - G7259
Clothes Moths - G7372
Clove Mites - G7358
Cockroaches - G7384
Control – MG12
Corn Earworm – G7110
Corn Pests – G7110, G7111, G7113, M166, NCR327, NCR602,
PS4, PS5
Cotton Insects - PS12
Crickets - G7366
Defoliators - G7270, G7271
Elm Leaf Beetle - G7356
External Parasites (Swine) - G7020
European Corn Borer – G7113, M166, NCR327, NCR602
Firebrats - G7366
Flies - G7380
Fly Control (Home) - G7388
Fly Control (Poultry) - G7030
Forage Legume Insects - PS8
Flower Insects - G7190, NCR63
Flower Pest Management Guide – MX398
Fruit Tree Spray Schedule - MP651
Garden Pests - M163
Genetic Engineering - NCR553
Grasshopper - G4563
Hackett Fly - G4563
Hexacyan Fly - G4563
Horn Fly - G1915
Horsehair Worms - G7710
Horseshoe Worms - MP619
Human Lice - G7394
Identification Form – MP59
Indoor Pests - G7273
Insect Borers - G7190
Insect Control
Recommendations – M163
Insect Defoliators - G7270
Insecticides - See Insecticides
Lice - G7011, G7394
Livestock Pests – See also Beef, Dairy, Sheet, Poultry, Swine
Millipedes - G7362
Mimosida Weevorm - G7251
Mite Galls - G7251
Mite Gall - G7272
Mites - G7274
Mosquitoes - G7400
Moths - G7372
Multicolored Asian Lady Beetle – G7369
Musk Thistle Weevil – IPM1010
Occasional Bliting Pests - G7396
Pantry Pests - G7370
Parasitic Worms - G7710
Pecan Insects - MP711, PS23
Periodical Cicadas - G7259
Pest Control – See Pest Control
Pillbugs - G7362
Pine Trees - NCR528
Poisonous Spiders - SB738
Rice - G4362
Scales - G7274
Seedcorn Maggot – G7114
Shoo Boring - NCR528
Shrub Pests - M146
Silverfish - G7376
Small Grain Insects – PS7
Sorghum Aphid - G4349
Sorghum Midge – G7140
Southwestern Corn Borer – G7111
Sowbugs - G7362
Soil Insects – G7150, G7151, G7152, PS6
Spiders - G7386, SB738
Spraytails - G7363
Stinging Bliting Insects - PS11
Stink Bug – G7151
Stored Grain Insects – PS1, PS28
Sunflower Insects - PS14, PS15
Swine Parasites - G7020, G2430
Termites - G7420
Tick – G7382, IPM1032
Tobacco Insects - PS20
Tree Pests - G7272, M145
Turfgrass Insects – IPM1020
Vegetable Insects - PS9
Wasps – G7391
web Producers (Trees) - G7271
Whitetails – G7275
Wood-Damaging Beetles - G7422

Insecticides
Corn – G7116
Cotton – G7117
Endangered Species Issues - G7020
Field Crop Pests - M122
Fruit Tree Spray Schedule - MP651
Pesticide Training - MX331
Rice – G7118
Soilb - G7119
Wheat – G7120
Insulation (Home) - GH4881

Insurance
Crop Insurance – G457, MP749
Health curriculum – CB24, CB25
Homeowners - GH3423
Livestock Gross Margin – G461
Livestock Risk Protection – G459
Pasture, Rangeland, Forage – G457
Intergenerational Programs – GH6710
### Integrated Pest Management
- Gardening – EV6
- Green Industries – IPM1005
- Greenhouses – IPM1026
- Missouri Agriculture – IPM1003
- Soybean Diseases – IPM1002
- Urban Environment – IPM1004

### Interior Design
- Age-Proof House - GH5462
- Curtains - NCR255
- Draperies - NCR255
- Dried Flowers - G6540
- Wood Finishing - See Wood Finishing

### Investment Basics
- Hedging Ethanol – G643

### J
- Johne’s Disease – G2115

### Judging
- Beef - G2034, NCR156
- Horse - See Horse
- Livestock - G2952
- Sheep - NCR157
- Using Performance Data - G2034
- Vegetables - G6230
- Jams & Jellies – GH1461

### Kitchen
- Appliances - See Household Appliances
- General Planning - GH5668, NCR497
- Wheelchair Workers - GH5671
- Work Center - GH5669

### L
- Ladder (Portable) - G1932
- Ladino Clover – G4639

### Lagoons
- Anaerobic - EQ602
- Crystallization – EQ353

### Lakes
- Fish Kill - G9402
- Toxic Substance - G9402

### Landscaping
- Brick Patios &Walks - G6930
- Broad-leaved Evergreens - G6820
- Buffalograss Lawns - G6730
- Chipper-Shredders - G1933
- Developing a Plan - G6901
- Energy - G6910
- Flowers - See Flowers
- Flowering Trees - G6805
- Front yard - G6905, MG11
- Grafting - G6971
- Groundcovers - G6835, NCR400
- Home Propagation of Plants - G6560, G6970, MG3
- Insects - See Insects
- Low Maintenance - G6902
- Needled Evergreens - G6815
- Ornamental Grasses - NCR461
- Ornamental Vines - G6840
- Rare Trees - G6810
- Shade Trees - See Shade Trees
- Shrubs - See Shrubs
- Sidewalk Cracks - G6932
- Soil Assessment – PALS1
- Tree Pests - M145
- Tree Placement - G6900
- Unusual Trees - G6810
- Water Efficient - G6915
- Wildflowers - G6660
- Zoysiagrass Lawns - G6706
- Latino Immigration to Missouri – DM7617, DM7619, DM7625

### Laundry
- After Fire - GH145
- Pesticide Contamination – G1914
- Stain Removal - MP663

### Lawns
- Bluegrass - G4610
- Buffalograss - G6730
- Caterpillars – IPM1019
- Chiggers - G7398
- Chippers-Shredders - G1933
- Cool Season Grasses - G6700, G6705
- Flood - G6722
- General Care – IPM1035
- Management – MG10
- Natural – G6749
- Ornamental Grass - G6661
- Recycling Grass - F227
- Shade - G6725
- Soil - G6955
- Soil Testing – EC923, G6954, MP733
- Thatch - G6708
- Turfgrass - See Turfgrass
- Water Quality – EQ500
- Watering – G6720, IPM1035
- Weed Control – IPM1035, NCR26
- Zoysiagrass Lawns - G6705, IPM1035

### Laws & Legal
- Animal Care Facilities Act - G9902
- City Rules - DM4003
- Credit - GH3341
- Dead Animal Disposal - WQ216
- Divorce - See Divorce
- Easements (Manure) – G361
- Estate - G508
- Farm Animal Liability - G453, G851
- Farm Lease - See Leasing
- Farm Employer Liability - G451
- Farm Partnership - G511
- Genetics - See Genetics
- Hatch Bill - SB1
- Insurance - See Insurance
- Land Installment Contracts – NCR56
- Litter Law - G890
- Manure Spreading Rights – G361
- New Residents – DM7618
- Nuisance Law - G851
- Occupational Safety &Health Act – G1961
- Pesticide Recertification – M87
- Pesticide Record Keeping - MP692
- Restricted Use Pesticide Recordkeeping - MP693
- USDAPesticide Requirements - MP692
- Latchkey Kids - See Child Care

### Leasing (Farm)
- Cash - G427
- Crop-Share – G424
- Equipment - G429
- Farn - G426, G427, G429
- Flexible – G423
- Hunting – G4920
- Farm Resume – G420
- Verbal Farm Rental - G520

### Legumes
- Crownvetch - G4510
- Johnsongrass Control - G4872
- Lespedeza - G4515
- Renovating Grass Sods - G4651
- Lice Control (Beef) – G7011

### License
- Pesticide Applicator M87

### Lightning Protection
- Pumps - G1410

### Lighting
- Home – GH5003
- Houseplants - G6515

### Liming
- Lime – G9107
- Mo. Soils - G9102
- Listening - CM150
- Livestock - See Beef, Dairy, Swine, Sheep, Poultry, Horse
- Livestock Risk Protection Insurance - G459
- Livestock Odors – G1884

### Livestock Equipment
- Backrubbers (Cattle) - G7012
- Concrete Pavement - G1931
- Cow/Calf - M154

### Livestock Risk Protection
- Facility Safety - G1931
- Fencing - See Fencing
- Land Application (Manure) – EQ383
- Package Building - G1004
- Solar Collectors - G1971
- Stock Tank - G1161
- Ultrasonics - G2299
- Walk-Through Fly Trap - G1195

### Lumber
- Drying - G5507
- Hardwood - G5052, G5507
- Lyme Disease - G1931

### M
- Macroeconomic Policy – SR331
- Maggot, Seedcorn – G7114
- Mailing - SR325
- Mammals
  - Shelves, Houses, Feeders – G9413, NCR338
- Management
  - Sheep - NCR240
  - Time - NCR229
- Manure
  - Calibrating Spreader - WQ213
  - Easements – G361
  - Economic Considerations – EQ392
  - Hoop Structures – EQ352
  - Laboratory Analysis - EQ215
  - Management (Beef) – EQ377
  - Measuring Uniformity - WQ214
  - Odor – G1884
  - Pit – G1931
  - Poultry Litter – G9216, WQ228
  - Separation Distances – EQ219
  - Setback Distances – G9219
  - Spreading Rights – M361
  - Storage Tanks – EQ389
  - Value - G9330, G9333

### Marketing
- Adding Value – G640
- Beef – CB10, M153
- Crops – G600
- Farmers – CB18, M174, NCR610C
- Sweet Corn - G6390
- Strategies (Farm) – SX1011
- Tomatoes - G6370
- Turkey - NCR115
- Vegetables – G6221, G6222

### Marriage
- Strong Marriage – GH6610

### Mastitis
- California Test - G3653

### Measurement
- Cordwood - G5452
- Crops - G4020
Swine
Artificial Insemination - G2312
Biosecurity - G2340
Breeding - G2312, G2910
Care of Pigs - G2306,
G2500
Composting Dead - WQ351
Contract Finishing – G2511
Crossbreeding - G2310,
G2311
Diet Manipulation
(Environment) – G2324
Diseases - G2507
Dust - G2530, G2531
Environmental Impact of Diet – G2324
Equipment - See livestock Equipment
External Parasites - G7020
Feeder Pigs - G2520
Feeding
Additives - G2354
Amino Acids - G2350
By-Products - G2355
Composition - G2352
Damaged Feed - G2355
Forages - G2500
Minerals - G2322
Nontraditional Feed - G2355
Nutrients - G2320
Odor – G1880
Premixes - G2351
Protein - G2350
Selection – G2306
Selenium - G2357
Showmanship - G2306
Sulfur Residue - G2358
Trace Minerals – G2323
Vitamins - G2321, G2351, G2357
Feral – G6457

Gases (Swine Waste) – G1880, G1931, G2530, G2531
Handling Safety - G1931
Herd Health Programs - G2508
Herdability - G2910
Housing - G2504
Infertility - G2315
Insects - See Insects
Management - G2509
Manure Management – EQ349, EQ350, G9334
Meat Processing - See Food Processing
Odor (Swine Waste) – G1880, G2530, G2531
Parasites - G2430, G7020
Poisonous Plants - G4970
Records - See Farm Records
Research Report - SR327
Seedstock Production - G2508
Site Selection – EQ378
Ultrasonics - G2299

Taxes
Ag Coopertatives - G903
County Sales Tax - DM3101
Estate - G508
Farm Records - FM6701, FM6702
Local Taxes and Revenues – PM743, PM761
Woodland - G740, G5056
Teamwork – CB13, CB22

Technology
Impact - SR303
New (Rural) - CM108

Teens
Early Adolescence – GH6010
Emotional Changes - NCR120
Journaling – GH6150
Physical Changes - NCR118

Terrorizing
Grassed Outlet - G1503
Systems - G1500
Ungulate Management Outlet - G1501
Terrariums - G6520
Textiles - See Fabrics

Tillage
Checklist - G4081
Conservation - G1650
No-Tillage - G355, G4448, M164
Planting Systems - G4080
Ridge - G1652
Time Management - G6653, NCR229
Timber Cost Basis – G5055
Timber Sale Contract – G5057
Timber Sales Tax – G5056
Tires - G1231, G1235
Thatch - G6708
Thistle – IPM1010, IPM1015

Tobacco
Birth Defects - CB15

Tomatoes
See also Canning, Freezing, Drying, Vegetables
Canning, Freezing, Drying - GH1456, MP587
Gazpacho - MP587
High Tunnel Production – G6462, M170, M200
Home Production - G6461
Market – G6370
Microwave Tomato Zucchini Parmesan - MP587
Questions - G6400
Tools (Using) - GH5978

Tourism
Bed & Breakfast - MP667
Litter Control - G890
Parking Area - EG900
Tractors - See Farm Machinery
Training Apple Trees – G6024

Trees
See also Wood, Fruit
Broad-leaved Evergreens – G6820
Budding - G6972
Chipper-Shredders - G1933
Construction Damage - G6885
Cordwood - G5452
Decline - G5200
Disease - See Disease (Plant)
Forestry Terms - G5054
Grafting - G6971
Hackberry Pearlieids – G7354
How to Plant – G6850, PAL52
Insects - See Insects
Lumber - See Lumber
Measuring - G5050
Mechanical Planters - G5009
Needled Evergreens – G6815
Oak Death – MX934
Ornamental – G6870, MG8
Pests - M145
Pine - NCR528
Planting - G6850, PAL52
Planting (Forest) - G5008
Pruning - G5160, J7276
Ras Trees - G6810
Seedlings - G5006
Selling Timber – G5051
Shade Trees - See Shade Trees
Storm Damaged – G6867
Timber Cost Basis – G5055
Twig Girdler - G7276
Twig Pruner - G7276
Unusual trees - G6810
Wood Fuel - See Heating
Trichinosis - G1931
Trichomoniasis – G2122

Vertigrass
Athletic Fields - G6770
Disease - G6756, IPM1029
Identification – MP929
Insects - IPM1020

Management – MG10
Ornamental – G6611
Weed Control – IPM1009

Turkeys
Brooding – NCR115
Disease - G8903, G8904
Flock Profiling - G8820
Habitat Management – G9526
Nutrient Requirements - G9352
Sanitation - G8353

U
Ultrasonics
Beef - G2001
Swine - G2299

Unemployment
Upholstering - See Furniture
Urea - See Fertilizer
Urea Supplements – G2071
USDA Pesticide Requirements - MP692

V
Value Added – G641, G642

Vegetables
Asparagus - G6405
Canning - See Canning
Commercial Growers - MX384
Disease Prevention - G6202, G6203
Eggplant – G6369
Exhibiting - G6230
Fertilizing – G6950
Freezing - See Freezing Food
Gardening – MG5
Harvest - G6226
Judging - G6230
Marketing – G6221, G6222
Nematodes - G6204
Planting Calendar - G6201, MP928
Questions and Answers - G6400
Recipes – MP909, MP918, MP922, MX996, N351, N353, N355, N663, N664, N668, N669
Seasonal Guide - MP908
Starting Plants - G6570
Storage - G6226
Sustainable Business – SX1014
Sustainable Production – NRAE104
Sweet Corn - See Sweet Corn
Tomatoes - See Tomatoes

Ventilation
Vernacular Architecture - MP688
Vertical Axis System (Apples) - G6024

Videoconference
Site Facilitator’s Guide - CM1225

Videotape
Creating - CM925
How to Do a Newsletter – EV4, EV7
Integrated Pest Mgt. - EV6
Worker Protection Standard
Agricultural Owners - G858
Agricultural Pesticides - G856
Agricultural Workers - G957
Employer Guide - G857

Family Labor - G858
Workforce Preparation – CB13, CB22
Workplace Wellness – MP912

Writing
Clear - CM201
Columns - CM360
Features - CM350

Low Literacy Audience - NCR475
News - See News
Newsletter - See Newsletter
Refrigerator Journalism - EV9

Yard & Garden – See Gardening
Yellow Nutsedge - NCR220
Youth at Risk - EV10

Z
Zoysiagrass Lawns - G6706