Urban Agriculture & Community Garden Resource Manual 111 M THE MANNA ·M·+ N

URBAN AGRICULTURE & COMMUNITY GARDEN RESOURCE MANUAL

This manual provides urban agriculture producers and landowners managing backyard gardens and community gardens with links to free online information and education resources on many topics of interest. The focus is on central Arkansas and surrounding areas, but we believe it will be of interest to anyone who owns or manages a garden or urban farm. The aim of this guide is to provide landowners with easily accessible information about sustainable agricultural practices with the goal of promoting a thriving local food economy.

This manual was produced as part of the 2024 Urban Agriculture Outreach and Education Project through a partnership between the Pulaski Conservation District and the University of Arkansas, Little Rock. The project was funded by a grant from the National Association of Conservation Districts. Contributors included the staff of the Pulaski Conservation District and Dr. Stephen Grace of the University of Arkansas, Little Rock. Artwork was contributed by Leianna King, a student at the University of Arkansas, Little Rock.

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SECTION 1 GENERAL RESOURCES

1.1 Production Resources

The following links provide resources for general information on vegetable and fruit production.

 Southeastern U.S. 2024 Vegetable Production Handbook (381 pages) <u>https://www.aces.edu/wp-content/uploads/2023/02/2024 SEVEG final web.pdf</u>

This handbook represents a joint effort among Extension specialists and researchers from 12 land-grant universities in the Southeastern U.S. who work in the area of vegetable production. It contains up to date information on managing vegetable crops, including which varieties to plant, planting dates, fertilizer recommendations, cover crop selection and conservation tillage options, pesticide selection, grafting, fertigation, plasticulture, postharvest handling, alternative pest management tools, and suggestions, as well as many other topics.

• Virginia Cooperative Extension Gardener Handbook (537 pages) <u>https://pressbooks.lib.vt.edu/emgtraining/</u>

This comprehensive handbook covers a variety of topics important for beginning and experienced gardeners, including soil health, native plants, integrated pest management and diagnosing plant problems in garden landscapes. While the focus is on Virginia, it is an excellent resource for gardeners everywhere.

 Johnny's Seeds Growers Library <u>https://www.johnnyseeds.com/growers-library/growing-center.html</u>

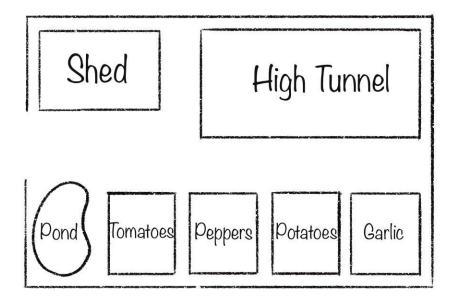
Although known mainly as a supplier of seeds and tools for gardeners and commercial producers, Johnny's Seeds has an extensive resource library of information containing instructional videos, planning tools and calculators, growing information for crops, flowers and herbs, and many other topics.

1.2 Business & Planning Resources

The following links provide general information on urban agriculture technical and financial resources and urban agriculture business resources.

- US Department of Agriculture Resource Guide for Urban Farmers
 <u>https://www.farmers.gov/your-business/urban-growers</u>
- US Department of Agriculture Technical and Financial Assistance for Urban Farms
 <u>https://www.usda.gov/topics/urban</u>
- National Center for Appropriate Technology (NCAT) Urban Farm Guide <u>https://attra.ncat.org/topics/urban-agriculture/</u>

- Cornell University Urban Agriculture On-line Course: The Promise of Urban Agriculture <u>https://smallfarmcourses.com/p/urban-ag</u>
- USDA Agricultural Marketing Service Regional Food Systems Resource Guide <u>https://www.ams.usda.gov/services/local-regional/research-publications/resources</u>
- Arkansas Department of Agriculture Produce Safety Program Guidelines
 <u>https://www.agriculture.arkansas.gov/plant-industries/regulatory-section/produce-safety-program</u>
- Transitioning to Organic Production (Sustainable Agriculture Research and Education) <u>https://www.sare.org/wp-content/uploads/Transitioning-to-Organic-Production.pdf</u>
- American Community Gardening Association
 <u>https://www.communitygarden.org</u>
- North Little Rock Community Garden Program
 <u>https://nlr.ar.gov/departments/neighborhood-services/community-garden-program/</u>
- Central Arkansas Sphinx Foundation Community Garden Grant Program <u>https://www.casfgrants.org/</u>



PLANNING & SITE SELECTION

Proper planning, before you ever place a shovel to soil, is an important step that should never be overlooked. The following links provide information to assist with the initial planning stage of an urban agriculture system or community garden.

- Growing Local: A Community Guide to Planning for Agriculture and Food Systems
 <u>https://growingfoodconnections.org/wp-content/uploads/sites/3/2013/06/AFT_GFC_Community-Guide_lo_res_04-2017.pdf</u>
- Best Practices for the Sustainable Urban Farm (SARE)
 <u>https://www.sare.org/wp-content/uploads/Best-Practices-for-the-Sustainable-Urban-Farm.pdf</u>
- U S. Environmental Protection Agency, Urban Farm Business Plan Handbook <u>https://www.epa.gov/sites/default/files/2015-</u> 10/documents/1.urban farm business plan handbook 091511 508.pdf
- Scaling up Your Vegetable Farm for Wholesale Markets (SARE)
 <u>https://www.sare.org/wp-content/uploads/Scaling-Up-Your-Vegetable-Farm-for-Wholesale-Markets.pdf</u>
- Farmer's Almanac Companion Planting Guide <u>https://www.almanac.com/companion-planting-guide-vegetables</u>
- Mother Earth News French Intensive Gardening Guide <u>https://www.motherearthnews.com/organic-gardening/intensive-gardening-zm0z14fmzsto/</u>
- Call Before You Dig: Locating Buried Utilities
 <u>https://call811.com/</u>
- City of Little Rock Land Bank Program
 <u>https://www.littlerock.gov/city-administration/city-departments/housing-and-neighborhood/land-bank-commission/land-bank-properties/</u>
- Pulaski County Planning and Development
 <u>https://www.pulaskicounty.net/planning-development</u>
- Pulaski County Community Initiative
 <u>https://www.pulaskicounty.net/community-initiative</u>

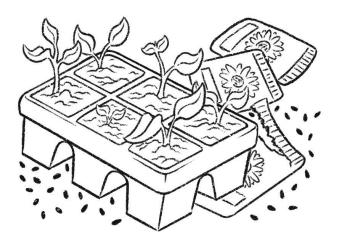
UTILIZING NATIVE PLANTS AND MANAGING INVASIVES

The presence of adequate numbers of pollinator insects is an important factor in increasing agricultural yield. The following links provide information and resources for gardening with native plants, attracting pollinators and other beneficial insects, and for managing invasive plant species. The following websites provide lists, descriptions and photographs of Arkansas native plants.

- Arkansas Natural Heritage Commission Native Plant Guide
 <u>https://www.arkansasheritage.com/arkansas-natural-heritage/naturalareas/native-plants</u>
- Audubon Delta Plants for Birds
 <u>https://delta.audubon.org/conservation/plants-birds</u>
- Arkansas Native Plants Arkansas Monarch Conservation Partnership (AMCP)
 <u>https://www.arkansasmonarchs.com/native-plants.html</u>
- Arkansas Native Plant Society
 <u>https://anps.org/</u>
- Lady Bird Johnson Wildflower Center (Arkansas Page)
 <u>https://www.wildflower.org/collections/collection.php?collection=AR</u>

While there is no "official" single list of plants considered "invasive" in Arkansas, the following websites provide identification and information on plants commonly considered as such.

- UA Cooperative Extension Service Invasive Plants in Arkansas
 <u>https://www.uaex.uada.edu/environment-nature/ar-invasives/invasive-plants/</u>
- US Department of Agriculture National Invasive Species Information Center
 <u>https://www.invasivespeciesinfo.gov/us/arkansas</u>



PLANT PROPAGATION

Choosing the proper varieties for your area, as well as understanding the keys to proper planting schedules and conditions can increase gardening success. These links provide information for the initial phases of crop production including crop variety selection, seed-starting, seedling transplanting, and planting schedules.

4.1 Seedling & Transplant Establishment

- Plant Propagation for Home Gardeners
 <u>https://www.uaex.uada.edu/publications/PDF/FSA-6024.pdf</u>
- Growing Media for Container Production in a Greenhouse or Nursery. Part 1 Component and Mixes <u>https://www.uaex.uada.edu/publications/PDF/FSA-6097.pdf</u>
- Growing Media for Container Production in a Greenhouse or Nursery. Part 2 Physical and Chemical Properties <u>https://www.uaex.uada.edu/publications/PDF/FSA-6098.pdf</u>
- How to Conduct a Seed Germination Test at Home <u>https://www.uaex.uada.edu/publications/pdf/FSA-3149.pdf</u>
- List of Untreated Seed Sources from Beyondpesticides.org
 <u>https://www.beyondpesticides.org/programs/bee-protective-pollinators-and-pesticides/what-can-you-do/pollinator-friendly-seed-directory</u>

4.2 Planting Schedules & Crop Selection

The links below provide general information for selecting which crops and crop varieties to grow and how different types of seeds are obtained. For information on specific crops, refer to section 13 - Specialty Crop Information.

- Year-Round Home Garden Planting Chart <u>https://www.uaex.uada.edu/publications/pdf/MP422_03.2020.pdf</u>
- Variety Selection Considerations Johnny's Seeds <u>https://www.johnnyseeds.com/on/demandware.static/-/Library-Sites-</u> <u>JSSSharedLibrary/default/dwc13e7d5c/assets/information/7643-variety-selection-</u> <u>considerations.pdf</u>
- Variety Selection and Seed Saving for Organic Growers (UGA Extension) <u>https://secure.caes.uga.edu/extension/publications/files/pdf/B%201486_2.PDF</u>

SOIL MANAGEMENT

Healthy, productive soil is the cornerstone of agricultural production. These links provide information on managing soil health for better yield and crop conditioning.

5.1 Soil Health

 Building Soils for Better Crops. Ecological Management for Healthy Soils Sustainable Agriculture Research and Education (SARE) <u>https://www.sare.org/resources/building-soils-for-better-crops/</u>

The 4th edition of *Building Soils for Better Crops* is a one-of-a-kind, practical guide to ecological soil management. It provides step-by-step information on soil-improving practices as well as indepth background—from what soil is to the importance of organic matter. It will show you how different physical, chemical and biological factors of the soil interconnect, and how management practices impact them to make your soil healthy and resilient or unhealthy and vulnerable to degradation. A must-read for farmers, educators and students alike.

- Understanding Soil Health
 <u>https://www.uaex.uada.edu/publications/pdf/FSA2202.pdf</u>
- The Basics of Addressing Resource Concerns with Conservation Practices within Integrated Soil Health Management Systems on Cropland, NRCS Soil Health Technical Note No. 450-04 <u>https://directives.nrcs.usda.gov/sites/default/files2/1712940831/29790.pdf</u>
- Cropland In-Field Soil Health Assessment Guide, NRCS Soil Health Technical Note No. 450-06 <u>https://www.nrcs.usda.gov/sites/default/files/2023-03/In-</u> <u>Field%20Assessment%202021%20Complete%20ND.pdf</u>
- On-Site Soil Quality Indicators (NRCS)
 <u>https://www.nrcs.usda.gov/sites/default/files/2022-10/onsite_sq_indicators.pdf</u>
- Soil Biology Affects Soil Health <u>https://www.uaex.uada.edu/publications/pdf/FSA2206.pdf</u>
- Chemical Indicators for Soil Health
 <u>https://www.uaex.uada.edu/publications/pdf/FSA2205.pdf</u>
- Estimating Soil Texture: Sandy, Loamy, or Clayey CMG Garden Notes #214 <u>https://cmg.extension.colostate.edu/Gardennotes/214.pdf</u>
- Comprehensive Assessment of Soil Health The Cornell Framework (134 pages) <u>https://css.cornell.edu/extension/soil-health/manual.pdf</u>

 Know your soil – importance of soil health US Department of Agriculture Natural Resources Conservation Service <u>https://www.nrcs.usda.gov/conservation-basics/conservation-by-state/arkansas/arkansas-soil-health</u>

5.2 Tillage Practices

Although tilling the soil is an ancient practice, the question of which tillage system is most appropriate for any particular garden or farm is still difficult to answer. Reducing the intensity of tillage can improve the soil in many ways. The following resources describe the advantages and disadvantages of different tillage systems.

- Conservation Tillage Practices in the Southeast (SARE)
 <u>https://www.sare.org/wp-content/uploads/Conservation-Tillage-Systems-in-the-Southeast_compressed.pdf</u>
- Building Soils for Better Crops. Chapter 16: Minimizing Tillage
 <u>https://www.sare.org/publications/building-soils-for-better-crops/minimizing-tillage/</u>

5.3 Crop Rotation

There are multiple ways to diversify cropping systems, and there are good reasons to do so. Diversity over time in a field, year to year, is achieved by using cover crops and by rotating a number of crops. Rotating crops usually means fewer problems with insects, weeds, and diseases. The following resources provide practical information on how to manage crop rotation effectively.

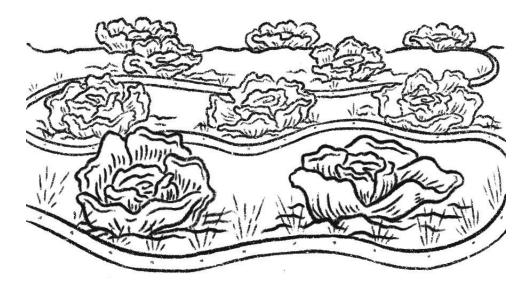
- Crop Rotation on Organic Farms: a Planning Manual (SARE)
 <u>https://www.sare.org/wp-content/uploads/Crop-Rotation-on-Organic-Farms.pdf</u>
- Building Soils for Better Crops. Chapter 11: Diversifying Cropping Systems
 <u>https://www.sare.org/publications/building-soils-for-better-crops/diversifying-cropping-systems/</u>

5.4 Cover Crops

A cover crop is a fast-growing grass, forb, or legume grown between cropping seasons to protect and improve the soil when a cash crop is not growing. Cover crops provide ground cover resulting in improved soil quality/health, nutrient availability and reduced erosion and runoff. The following links provide useful information on selecting and using cover crops.

- Understanding Cover Crops
 <u>https://www.uaex.uada.edu/farm-ranch/crops-commercial-horticulture/horticulture/FSA-2156.pdf</u>
- Cover Crops and Their Uses (Johnny's Seeds)
 <u>https://www.johnnyseeds.com/growers-library/farm-seed-cover-crops/cover-crops-uses-benefits-brochure.html</u>

- Managing Cover Crops Profitably (SARE)
 <u>https://www.sare.org/wp-content/uploads/Managing-Cover-Crops-Profitably.pdf</u>
- 10 Ways Cover Crops Enhance Soil Health (SARE) <u>https://www.sare.org/wp-content/uploads/10-ways-cover-crops-enhance-soil-health.pdf</u>
- Sunn Hemp: A Cover Crop for Southern and Tropical Farming Systems <u>https://www.nrcs.usda.gov/sites/default/files/2023-04/nrcs142p2_053283.pdf</u>



WATER AND IRRIGATION

Proper management of water resources not only improves crop condition and yield, but also saves time and money. The following links provide information on how to make the most of available water resources.

- Watering Your Vegetables (TAMU Extension)
 <u>https://aggie-horticulture.tamu.edu/wp-</u>
 <u>content/uploads/sites/10/2013/09/eht_024_watering_your_vegetables.pdf</u>
- Water Recommendations for Vegetables (Utah State Extension)
 <u>https://digitalcommons.usu.edu/cgi/viewcontent.cgi?article=3336&context=extension_curall</u>
- Basics of Drip Irrigation and Fertigation for Specialty Crops <u>https://www.uaex.uada.edu/publications/PDF/FSA6160.pdf</u>
- Drip Irrigation in the Home Vegetable Garden (UGA Extension)
 <u>https://site.extension.uga.edu/colquittag/files/2023/10/Drip-Irrigation-in-Home-Garden.pdf</u>
- Water Measurement Units and Conversion Factors (OSU Extension)
 <u>https://extension.okstate.edu/fact-sheets/print-publications/bae/water-measurement-units-and-conversion-factors-bae-1501.pdf</u>
- Understanding the Numbers in Your Irrigation Report
 <u>https://www.uaex.uada.edu/publications/pdf/FSA2198.pdf</u>
- Understanding Soil Water Content and Thresholds for Irrigation Management (OSU Extension)
 <u>https://extension.okstate.edu/fact-sheets/print-publications/bae/understanding-soil-water-</u>
 <u>content-and-thresholds-for-irrigation-management-bae-1537.pdf</u>
- Drip Planning Guide (Dripworks)
 <u>https://www.dripworks.com/content/drip-planning-guide.pdf</u>

A handy step by step guide to setting up a drip irrigation system in your garden, whether you are growing in containers, raised beds, or traditional in ground beds. A variety of watering options are described in detail.

NUTRIENT MANAGEMENT

There are multiple options for adding nutrients to your garden. Whether you opt to use chemical fertilizers, are operating organically, or use a mixture of both, the following links provide important information.

7.1 SOIL TESTING

Healthy lawns, gardens, pastures, and farm crops have one thing in common: they start with great soil! The Arkansas Cooperative Extension Service offers free soil testing for Arkansans. Visit the following links for detailed information.

- Soil Testing Services UA Cooperative Extension Service
 <u>https://soil-testing.uada.edu/</u>
- Test Your Soil for Plant Food and Lime Needs <u>https://www.uaex.uada.edu/publications/pdf/FSA-2121.pdf</u>
- Soil Testing for the Farmer (MSU Extension) <u>http://extension.msstate.edu/sites/default/files/publications/publications/P3858_web.pdf</u>
- The Soil Test Report
 <u>https://www.uaex.uada.edu/publications/PDF/FSA-2153.pdf</u>

7.2 COMPOSTING

Composting is the natural decomposition of yard and food wastes into a valuable soil amendment. Compost contains nutrients that, when returned to the soil, can be used by plants. The following links provide information on how to make and use compost.

- Building Soils for Better Crops. Ch. 13: Making and Using Composts
 <u>https://www.sare.org/publications/building-soils-for-better-crops/making-and-using-composts/</u>
- Composting <u>https://www.uaex.uada.edu/publications/pdf/FSA-2087.pdf</u>
- Understanding the Composting Process
 <u>https://www.uaex.uada.edu/publications/PDF/FSA-6036.pdf</u>
- How to Make Compost in Four Easy Steps (Johnny's)
 <u>https://www.johnnyseeds.com/on/demandware.static/-/Library-Sites-</u>
 <u>JSSSharedLibrary/default/dwafb49f9d/assets/information/compost-fact-sheet.pdf</u>
- Three-Bin Turning Compost Bins
 <u>https://www.uaex.uada.edu/publications/PDF/FSA-6030.pdf</u>

• Worm Composting Bins <u>https://www.uaex.uada.edu/publications/pdf/fsa-6032.pdf</u>

7.3 FERTILIZERS

Gardeners recognize the need for timely nutrient applications to promote vigorous plant growth in landscapes and gardens. The following links provide information on what fertilizers to use and how and when to use them.

- Guidelines for the 4 Rs of Fertilizer Management in Horticultural Crops (UGA Extension)
 <u>https://secure.caes.uga.edu/extension/publications/files/pdf/B%201531_1.PDF</u>
- Selecting and Using Organic Fertilizers (USU Extension) <u>https://digitalcommons.usu.edu/cgi/viewcontent.cgi?article=1147&context=extension_curall</u>
- How To Convert an Inorganic Fertilizer Recommendation into an Organic One (UGA Extension) <u>https://secure.caes.uga.edu/extension/publications/files/pdf/C%20853_5.PDF</u>
- Soil pH and Fertilizers (MSU Extension) https://extension.msstate.edu/sites/default/files/publications/information-sheets/is0372_1.pdf
- Soil Phosphorus: Management and Recommendations <u>https://www.uaex.uada.edu/publications/pdf/FSA-1029.pdf</u>
- Not All Liming Materials Are Created Equal <u>https://www.uaex.uada.edu/publications/pdf/FSA-2201.pdf</u>
- Gypsum as a Soil Amendment <u>https://www.uaex.uada.edu/publications/pdf/FSA2199.pdf</u>
- The Potential of Biochar as a Fertilizer Supplement and Soil Amendment <u>https://www.uaex.uada.edu/publications/pdf/FSA2196.pdf</u>

WEED MANAGEMENT

It is said a "weed" is a plant that grows somewhere you would rather it wouldn't. Dealing with weed growth is a chore for every gardener. The following links provide helpful information in combating weeds.

- Manage Weeds on Your Farm (SARE)
 <u>https://www.sare.org/wp-content/uploads/Manage-Weeds-on-Your-Farm.pdf</u>
- Tarping and Occultation Techniques in Gardening and Farming <u>https://www.pubs.ext.vt.edu/content/dam/pubs_ext_vt_edu/spes/spes-616/SPES-616.pdf</u>
- Weeds of Arkansas (148 pages) <u>https://www.uaex.uada.edu/publications/pdf/mp169.pdf</u>
- Recommended Chemicals for Weed and Brush Control (2024) (198 pages) <u>https://www.uaex.uada.edu/publications/pdf/mp44/mp44.pdf</u>



DISEASE MANAGEMENT

Plant diseases are caused by viruses, bacteria, fungi, and nematodes. Every crop is susceptible to its own specific diseases. It is important to manage disease at the earliest stages. Whenever possible, select disease resistant varieties. The following links provide information that will help.

- Arkansas Plant Disease Control Products Guide 2024 (160 pages)
 A comprehensive manual of conventional disease control products listed by crop.
 <u>https://www.uaex.uada.edu/publications/pdf/mp154/2024%20MP154.pdf</u>
- Texas Plant Disease Handbook https://plantdiseasehandbook.tamu.edu/
- Managing Tomato Diseases in Arkansas <u>https://www.uaex.uada.edu/publications/pdf/FSA-7568.pdf</u>
- Disease and Insect Control for Peaches/Plums, Mississippi State University: <u>https://extension.msstate.edu/publications/disease-and-insect-control-for-homegrown-peaches-and-plums</u>

PEST MANAGEMENT

Pests can take over the garden in just a short period of time. The links below provide information that will help you control pests.

- Manage Insects on Your Farm (SARE) (128 pages)
 <u>https://www.sare.org/wp-content/uploads/Manage-Insects-on-Your-Farm.pdf</u>
- Home Vegetable Insect Control (UGA Extension)
 <u>https://secure.caes.uga.edu/extension/publications/files/pdf/SB%2048-12_1.PDF</u>
- Organic Strategies for the Garden and Home Landscape (UGA Extension) <u>https://secure.caes.uga.edu/extension/publications/files/pdf/SB%2048-09_1.PDF</u>
- Insect Pest Management in the Home Vegetable Garden
 <u>https://www.uaex.uada.edu/publications/PDF/FSA-7510.pdf</u>
- Common Beneficial Arthropods Found in Field Crops
 <u>http://extension.msstate.edu/sites/default/files/publications/publications/P3948_web.pdf</u>
- Home Orchard Disease and Pest Management (UGA Extension)
 <u>https://secure.caes.uga.edu/extension/publications/files/pdf/SB%2048-05_1.PDF</u>
- Pest Exclusion Systems for Pest Management in Vegetable Production Across the Southeast (SARE) <u>https://www.sare.org/wp-content/uploads/Pest-Exclusion-Systems-for-Pest-Management-in-Vegetable-Production-across-the-Southeast.pdf</u>
- A whole farm approach to managing pests (SARE) <u>https://www.sare.org/wp-content/uploads/A Whole-Farm Approach to Managing Pests.pdf</u>
- Innovations in Large Scale Trap Cropping for Reducing Insect Pests (SARE)
 <u>https://www.sare.org/wp-content/uploads/Innovations-in-Trap-Cropping.pdf</u>
- Managing Squash Vine Borer in Arkansas <u>https://www.uaex.uada.edu/publications/PDF/FSA7091.pdf</u>
- Insecticide Recommendations for Arkansas (there is a home and commercial section): <u>https://www.uaex.uada.edu/publications/mp-144.aspx</u>
- HORT Pest Management Page: <u>https://www.uaex.uada.edu/farm-ranch/crops-commercial-horticulture/horticulture/vegetable-insect-pests-monitoring-in-ar.aspx</u>

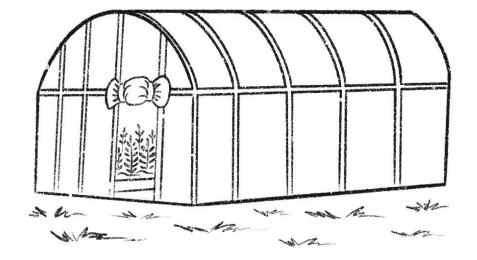
- Organic and sustainable Resources for Production and Pest Management https://attra.ncat.org/
- Small Fruit Production Integrated Pest Management Guide <u>https://smallfruits.org/ipm-production-guides/</u>



HIGH TUNNEL PRODUCTION

High tunnels extend the growing season enabling you to increase production. The following links provide information on constructing and using high tunnels.

- High Tunnel Production in Arkansas
 <u>https://www.uaex.uada.edu/farm-ranch/crops-commercial-horticulture/horticulture/high-tunnel-production.aspx</u>
- High Tunnel Overview (UKY Cooperative Extension) <u>https://www.uky.edu/ccd/sites/www.uky.edu.ccd/files/hightunneloverview.pdf</u>
- High Tunnel Hoop House Construction Guide (102 pages)
 <u>https://bloximages.chicago2.vip.townnews.com/normantranscript.com/content/tncms/assets/v3/</u>
 <u>editorial/7/4b/74b3429e-a287-11e4-bea0-afc038036855/54c17f444268c.pdf.pdf</u>
- Cost of Constructing a Metal Hoop High Tunnel <u>https://www.uaex.uada.edu/publications/pdf/FSA-6147.pdf</u>
- USDA/NRCS High Tunnel Funding Initiative <u>https://www.nrcs.usda.gov/programs-initiatives/eqip-high-tunnel-initiative</u>



CHICKEN & HONEYBEE PRODUCTION

Municipalities often have zoning laws and regulations regarding the siting and raising of agricultural animals. The following links provide information on ordinances related to chickens and honeybees, two of the most common production animals, in addition to general management information.

- North Little Rock, permit required https://nlr.ar.gov/deparetments/animal-services/
- Little Rock, adequate housing requirements and spacing <u>https://library.municode.com/ar/little_rock/codes/code_of_ordinances</u>
- Sherwood
 <u>https://www.cityofsherwood.net/299/Animal-Care-Control-Ordinance</u>
- Jacksonville
 Animals, Chapter 6.08 Livestock and Fowl Chapter 6.10 Bees – restrictions on number of hives and spacing <u>https://cityofjacksonville.net/154/Codes-Ordinances-Resolutions</u>
- UA Cooperative Extension Small Flock Poultry Guide <u>https://www.uaex.uada.edu/farm-ranch/animals-forages/poultry/hobby-small-flocks.aspx</u>
- Arkansas Beekeepers Association
 <u>https://arbeekeepers.org/</u>
- Central Arkansas Beekeepers Association
 <u>https://arbeekeepers.org/central-arkansas-beekeepers-association/</u>
- U of A Cooperative Extension Service Beekeeping in Arkansas <u>https://www.uaex.uada.edu/farm-ranch/special-programs/beekeeping/getting-started.aspx</u>
- Arkansas Department of Agriculture Beekeeping Resources
 <u>https://www.agriculture.arkansas.gov/plant-industries/regulatory-section/apiary/arkansas-beekeeping/</u>

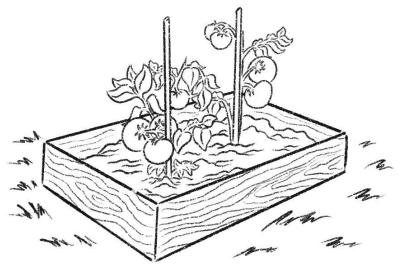
SPECIALTY CROP INFORMATION

The Arkansas Cooperative Extension Service has published a Home Gardening series with information on selecting, growing, harvesting, and managing diseases in over 50 crops. These fact sheets provide valuable information to assist the home gardener.

13.1 Vegetable Production

- Home Gardening Series: Guide to Vegetable Culture Fact Sheets
 <u>https://www.uaex.uada.edu/publications/PDF/FSA-6001.pdf</u>
- Home Gardening Series: Asparagus
 https://www.uaex.uada.edu/publications/PDF/FSA-6002.pdf
- Home Gardening Series: Beans
 https://www.uaex.uada.edu/publications/PDF/FSA-6003.pdf
- Home Gardening Series: Beets <u>https://www.uaex.uada.edu/publications/PDF/FSA-6063.pdf</u>
- Home Gardening Series: Broccoli
 <u>https://www.uaex.uada.edu/publications/PDF/FSA-6004.pdf</u>
- Home Gardening Series: Cabbage
 <u>https://www.uaex.uada.edu/publications/PDF/FSA-6006.pdf</u>
- Home Gardening Series: Carrots
 <u>https://www.uaex.uada.edu/publications/PDF/FSA-6064.pdf</u>
- Home Gardening Series: Cucumbers
 <u>https://www.uaex.uada.edu/publications/PDF/FSA-6009.pdf</u>
- Home Gardening Series: Eggplant
 <u>https://www.uaex.uada.edu/publications/PDF/FSA-6010.pdf</u>
- Home Gardening Series: English Peas
 <u>https://www.uaex.uada.edu/publications/PDF/FSA-6073.pdf</u>
- Home Gardening Series: Irish Potatoes
 <u>https://www.uaex.uada.edu/publications/PDF/FSA-6016.pdf</u>
- Home Gardening Series: Lettuce
 <u>https://www.uaex.uada.edu/publications/PDF/FSA-6011.pdf</u>

- Home Gardening Series: Okra <u>https://www.uaex.uada.edu/publications/PDF/FSA-6013.pdf</u>
- Home Gardening Series: Onions
 <u>https://www.uaex.uada.edu/publications/PDF/FSA-6014.pdf</u>
- Home Gardening Series: Peppers
 <u>https://www.uaex.uada.edu/publications/PDF/FSA-6015.pdf</u>
- Home Gardening Series: Southern Peas
 <u>https://www.uaex.uada.edu/publications/PDF/FSA-6020.pdf</u>
- Home Gardening Series: Summer Spinach
 https://www.uaex.uada.edu/publications/PDF/FSA-6077.pdf
- Home Gardening Series: Summer Squash
 https://www.uaex.uada.edu/publications/PDF/FSA-6019.pdf
- Home Gardening Series: Sweet Corn
 https://www.uaex.uada.edu/publications/PDF/FSA-6008.pdf
- Home Gardening Series: Sweet Potatoes
 https://www.uaex.uada.edu/publications/PDF/FSA-6018.pdf
- Home Gardening Series: Tomatoes
 <u>https://www.uaex.uada.edu/publications/PDF/FSA-6017.pdf</u>
- Home Gardening Series: Watermelons
 <u>https://www.uaex.uada.edu/publications/PDF/FSA-6012.pdf</u>
- Home Gardening Series: Winter Squash
 https://www.uaex.uada.edu/publications/PDF/FSA-6078.pdf



13.2 Fruit Production

The links below are excellent resources for gardeners interested in incorporating small fruit production into their garden.

- Arkansas Strawberry School (6-part webinar series)
 <u>https://www.uaex.uada.edu/farm-ranch/crops-commercial-horticulture/horticulture/commercial-fruit-production/strawberry-school.aspx</u>
- Arkansas Blackberry School (4-part webinar series)
 <u>https://www.uaex.uada.edu/farm-ranch/crops-commercial-horticulture/horticulture/commercial-fruit-production/blackberry-school.aspx</u>
- Arkansas Blueberry School (4-part webinar series)
 <u>https://www.uaex.uada.edu/farm-ranch/crops-commercial-horticulture/horticulture/commercial-fruit-production/blueberry-school.aspx</u>
- Apple Production in the Home Garden <u>https://www.uaex.uada.edu/publications/PDF/FSA-6058.pdf</u>
- Blackberry Production in the Home Garden
 <u>https://www.uaex.uada.edu/publications/PDF/FSA-6105.pdf</u>
- Blueberry Production in the Home Garden
 https://www.uaex.uada.edu/publications/PDF/FSA-6104.pdf
- Pear Production in the Home Garden https://www.uaex.uada.edu/publications/PDF/FSA-6059.pdf
- Pruning Fruit Trees <u>https://www.uaex.uada.edu/publications/PDF/FSA-6042.pdf</u>
- Muscadine Grape Production in the Home Garden
 https://www.uaex.uada.edu/publications/PDF/FSA-6108.pdf
- Pecan Production in the Home Garden
 <u>https://www.uaex.uada.edu/publications/PDF/FSA-6110.pdf</u>
- Raspberry Production in the Home Garden
 <u>https://www.uaex.uada.edu/publications/PDF/FSA-6107.pdf</u>
- Stone Fruit Production in the Home Garden Nectarines, Plums, and Peaches <u>https://www.uaex.uada.edu/publications/PDF/FSA-6060.pdf</u>