

Specific Areas of Horticultural Production						
Topic Area	Commercial contact	Non-Commercial contact	Commercial Resources	Non-Commercial Resources	Contact your <i>MANAGE specialist</i> that covers your geographical area first.	Additional Key Notes
Vegetables	Annette Wszelaki	Natalie Bumgarner	U.S. Vegetable Crop Handbook (downloadable) UT Vegetable Grower Resources Page UT Produce Facebook page	UT Hort Vegetable Section Fruit and Vegetable Calendar Home Garden Variety Trial	UT Vegetable Budgets TN Farmers Market Price Reports KY Center for Crop Diversification PickTNProducts.org TAEP Application B Alabama Enterprise Budgets UGA Enterprise Budgets	
Fruits	Dave Lockwood, Annie Vogel	Natalie Bumgarner	Southern Region Small Fruits Consortium Grape Growing in Tennessee	UTHort-Fruit selection and mgt Southern Region Small Fruits Consortium	TAEP Application B Alabama Enterprise Budgets UGA Enterprise Budgets	
Greenhouse vegetables (hydroponics, CEA)	Annette Wszelaki, Natalie Bumgarner	Natalie Bumgarner	Cornell CEA resources Arizona CEA resources	Intro to hobby hydroponics Leafy crops in small scale hydroponics Vine crops in small scale hydroponics Small scale microgreens	Alabama Greenhouse Construction budget	
Nursery production (woody plants)	Amy Fulcher	N/A	TN Master Nursery Producer Supplemental Materials Catalogue Sustainable Nursery Crop and Landscape Management website	N/A	Plant Certification License - TDA TAEP Application B TN Nursery & Landscape Association	This is a production area and does not include garden center management questions, or diagnostic troubleshooting. Topics of interest include fertilization, irrigation, potting media, growth regulators, etc.
Turfgrass/sod production	Becky Bowling	N/A	TN Turfgrass Science website	N/A	KY Turfgrass Sod Production	
Tobacco, hops, hemp	Mitchell Richmond	N/A	UT specialty crops website	N/A	UT Tobacco budgets	
Greenhouse floriculture (bedding plants, mums, etc.)	No specific floriculture faculty. Hobby greenhouse- Natalie Bumgarner		Insect and Mite Pest Management in Greenhouses	Small Greenhouse Benefits Small Greenhouse Design	Plant Certification License - TDA TAEP Application B	
Cut flowers	No specific floriculture faculty- Celeste Scott, Natalie Bumgarner		Cut Flower Production in TN KY Center for Crop Diversification: Cut Flowers NC State Cut Flowers page Utah State Cut Flowers page	Seed Grown Flowers for the Home Garden	UTHort YouTube Cut Flower Playlist	Natalie B., Celeste S., Rachel Painter, Eryn Bell, and Alicia Rihn are part of a new Specialty Crops Block Grant project, so additional support is an area of future emphasis.
Mushrooms	No faculty in this content area		Penn State Mushroom production Penn State Mushroom food safety NCSU Growing Mushrooms	NCSU Growing Mushrooms UF Growing mushrooms at home	Growing and Marketing Mushrooms in Tennessee Shiitake Budget- Maryland	We do not answer foraging questions or ID mushrooms or other wild edibles. These topics are best addressed locally with outside of Extension groups/forums.
Mixed species-homestead, hobby farm	No faculty in this content area		By definition not commercial		UT Farming Fundamentals UT CFM –Building a Farm Business TSU New Farmer Academy	

Specific Horticulture Educational Programs

Topic Area	Contact	Resources
Extension Master Gardener	Natalie Bumgarner, Anna Duncan, Celeste Scott if western region	https://mastergardener.tennessee.edu/ https://drive.google.com/drive/folders/0AMImbg-tYIJYUk9PVA
Tennessee Smart Yards and Smart Communities	Andrea Ludwig, Celeste Scott if western region	https://tnyards.utk.edu/
Certified Lawncare, Certified Sustainable Landscape	Anna Duncan, Becky Bowling (Lawn care), Celeste Scott (Landscape)	https://uthort.tennessee.edu/uthort-pros/

General Areas of Horticultural Questions

<i>Topic Area</i>	<i>Contact</i>	<i>Commercial Resources</i>	<i>Non-Commercial Resources</i>	<i>Additional Key Notes</i>	
Landscape plant selection/recommendations	Celeste Scott, Natalie Bumgarner	N/A	Big Picture Links: UTHort YouTube UTHort Facebook UTHort Website TN Native Plant Database	Individual Resources: (UTHort Landscape Tile) Annals for TN Landscapes Perennials for TN Landscapes Bulbs for TN Home Gardens Seed Grown Flowers for TN Home Gardens Ornamental Grasses in the Landscape Screen Plantings for TN Landscapes Small Flowering Trees for TN Landscapes	Landscape design is not an Extension service/outreach area, so we support clients on plant selection and encourage them to engage local landscape professionals for design. Native plants are not their own category but are integrated within our selection publications.
Landscape plant Identification	No faculty- use online resources	N/A	University of TN Plant ID Class- Andy Pulte playlist All Seasons Pocket Guide to Identifying TN Trees Identifying Oak Trees Native to TN Fee Based Classes via NCSU on Plant Identification and Use Evaluation of Plant ID Apps	Books: Guide to the Trees, Shrubs, and Woody Vines of TN Native Shrubs and Woody Vines of the Southeast Native Trees of the Southeast Wildflowers of TN: the Ohio Valley and Southern Appalachians	We understand that sometimes people support is needed for ID, but this needs to be very sparingly used because it is a large burden on a few people. Plant ID apps can be helpful to narrow to a Genus especially when using high quality pictures of leaves.
Turfgrass selection/management	Becky Bowling, Celeste Scott in western region	UT Turfgrass YouTube UT Turf Tuesdays Commercial Turfgrass Insect Control Turfgrass Diseases and Their Control	(UTHort Turf tile) Bermudagrass Zoysiagrass Fescues Bermudagrass Lawn Care Calendar Lawn Insects: How to Control Them Leaf Diseases of Home Lawns (HGIC)	Turfgrass Maintenance Series W161 A-N Turfgrass Establishment Series W160 A-F Turfgrass Selection Series W159 A-G	
Weed identification/control	Jim Brosnan- commercial turfgrass, forage/horticulture weed position currently open	TN Turfgrass Weed Science website Weed ID & Control Publications Understanding How Turfgrass Herbicides Work Herbicides for Use on Golf Course Putting Greens Mobile Weed Manual app Mobile Weed Manual desktop	Many of the resources listed in the commercial category could also be helpful for homeowner audiences Weed ID & Control Publications Mobile Weed Manual app Lawn and Landscape Weed Control for Homeowners	We understand that sometimes support is needed for non-commercial weed ID, but this needs to be very sparingly used because it is a large burden on a few people.	
Ornamental pest and disease diagnostics	Nar Rhanabhat (pathology), Midhula Gireesh (entomology)	Soil Plant Pest Center plant pests page Plant Disease Diagnosis sample submission Insect Identification sample submission Distance Diagnostics via Pclinic UT SPPC Facebook Individual Resources: Commercial Insect and Mite Control for Trees, Shrubs and Flowers Commercial Turfgrass Insect Control Turfgrass Diseases and Their Control Books: Compendium of Turfgrass Diseases (APS) Handbook of Turfgrass Insect Pests(ESA)	Many of the resources listed in the commercial category could also be helpful for homeowner audiences Introduction to IPM of Landscapes Diagnosis of Ornamental Plant Diseases You Can Control Garden Insects SP290 A-Y Insect Pests Series SP370 Plant Diseases Series SP277 Plant Diseases Series Bugwood IPM Images Bugwood Insect Images	Use the Pclinic where possible especially for non-commercial diagnostics because our specialists cannot handle the full volume of diagnostics issues.	
Fruit and vegetable (also tobacco, hemp hops) pest and disease diagnostics	Jensen Hayter (pathology) No entomology position	MyIPM Veg (Tomato and Cucurbits) MyIPM (Fruit and Nuts) Southern Region Small Fruit IPM Guides	MyIPM (Fruit and Nuts) Insect, Disease, Weed Mgt in the Garden section	Use the Pclinic where possible especially for non-commercial diagnostics because our specialists cannot handle the full volume of diagnostics issues.	