



34TH MILAN NO-TILL CROP PRODUCTION FIELD DAY

Thursday, July 23, 2026
8:00 a.m. – 1:00 p.m. CDT

North Tract of the AgResearch
and Education Center at Milan,
Tennessee

731-686-7362
milan.tennessee.edu



WELCOME

The University of Tennessee AgResearch and Education Center at Milan welcomes you to the 34th Milan No-Till Crop Production Field Day.

Since 1981, the Milan No-Till Field Day has hosted visitors from around the world for the largest field day in the nation dedicated to conservation tillage. In the beginning, we demonstrated how to “no-till,” and basic tours on planter setup and weed control were available. Since those early years, the field day has progressed to include not only no-till basics but also how to incorporate the latest technologies into a no-till system.

One constant through the years has been the staff, both present and past, of the AgResearch and Education Center at Milan, and none of the thirty-four No-Till Field Days would have been possible without them. We have the privilege of working daily with some of the finest agricultural scientists in the world, but the behind-the-scenes efforts of our staff make the research program possible. They are a dedicated group of individuals who have a passion for agricultural research, doing the job right, and producing the very best data possible for our producers who utilize this information. Please allow me to introduce our staff to you and publicly thank them for the great job they do! The current staff of the AgResearch and Education Center at Milan includes:

NAME	TITLE	YEARS OF SERVICE
Joey Duncan	Research Associate	6
Jordan Lasater	Sr. Plot Caretaker	7
LesLee Smelser	Administrative Assistant	10
Michael Wesley	Research Associate	1
Jason Williams	Interim Director	30
Chad Hicks	Sr. Farm Crew Leader	25
Todd Joyner	Sr. Plot Caretaker	1
Ben Jakubowski	Museum Guide	7
Grant Davis	Sr. Plot Caretaker	1



We appreciate your attendance and interest today. We hope that you will learn and subsequently adopt technologies and practices for increasing production, reducing costs, and improving the efficiency of your crop production operation.

We sincerely appreciate the support of the Milan community and all of its assistance with making this event a success since 1981.

The final pages of the program describe the amenities available during the activities and include a map of the field day site. Please let us know if we can assist you. It is our desire that you have an educational and enjoyable visit to the AgResearch and Education Center at Milan. Thank you for being one of the thousands to visit the nation's largest No-Till Field Day!

Jason S. Williams
Interim Center Director



Hongwei Xin, Dean and Director
Timothy Rials, Associate Dean of Research
Blake Brown, Associate Dean of Field Operations



Special thanks to UT Martin student Austin Chaney for the design of the 2026 field day logo for this program and the field day caps.

SCHEDULE OVERVIEW

Registration Begins	7:00 a.m.
Commercial and Educational Displays	8:00 a.m. to 1:00 p.m.
Research Tours (Tour A-M)	8:00 a.m. to 12:00 p.m. <i>last tour begins at 11 a.m.</i>
Antique Tractor Parade	Noon to 12:30 p.m.
Drone and Airplane Demonstrations	12:30 p.m.



FIELD DAY ACTIVITIES

AgResearch and Education Center at Milan Research Tours

This year, thirteen research tours will be featured. Tours will start at 8:00 a.m. (CDT), Thursday, July 23. The final tours of the day will start no later than 11:00 a.m. Tours are 1 hour in length.

NOTE: Those desiring to take several tours should plan to arrive early. Complete descriptions of tours and tour stops begin on page 11.

Traditional Skills Demonstrators

Sponsored by CAP of Rutherford

This year, there is a new addition to the events of the day. Under the shade trees to the east of the West Tennessee Agricultural Museum, eight different traditional skills will be demonstrated to remind us of how far we have come in our industry.

Antique Tractor Show

Sponsored by Tennessee Farm Bureau

In the lawn across from the West TN Ag Museum, two different clubs and several individuals will display their antique tractors to remind us all of days gone by.

AgResearch and Education Center at Milan Overview Tour

Visitors to the Milan No-Till Field Day are invited to participate in the AgResearch and Education Center at Milan overview tour for a brief introduction to UT AgResearch. Participants will be given a tour of the AgResearch and Education Center at Milan. Various solution-oriented research projects along the tour route will be described. Participants will board the Overview Tour Trailers located at the east end of the outside commercial display area. This tour will last approximately 20 minutes, and will be available from 8:00 a.m. through 12:00 p.m.

West Tennessee Agricultural Museum

The West Tennessee Agricultural Museum will be open throughout the No-Till Field Day events from 7:00 a.m. to 2:00 p.m. Large displays of antique farm equipment and tools used by early West Tennessee settlers are featured. The museum is located on the field day site. Admission is free.

Celebrating America's 250th Birthday

Sponsored by Wintersteiger

In celebration of America's 250th Birthday, the first 250 people who register on site will get a free barbecue lunch. Lunch will be served in the food shed by Latham's Meat Company.



Point Signup and Recertification Requirements for Commercial and Private Applicators
Individuals who currently have a valid commercial or private applicator certification card must accumulate credit (points) during the three-year certification cycle to retain their certification into the next cycle. For more information concerning point requirements, please visit psep.utk.edu.

Tennessee’s pesticide coordinator has assigned **recertification points** for categories listed in the following table.

	C1	C10	C12	Private
Tour A	1	1	1	1
Tour B	1	1	1	1
Tour C	1	1	1	1
Tour D**	1	1	1	1
Tour E	1	1	1	1
Tour J	1	1	1	1
Tour K	1	1	1	1
Tour L	1	1	1	1

*** 1 Point will be given in each Category 1-16***

Commercial and private pesticide applicators **MUST SIGN** the sign-up sheets **located at the shed where the tour is held to obtain credit**. Remember to include as much information as possible, sign the roster sheet legibly, and include your certification number.

Rosters containing attendee information will be forwarded to the Tennessee Department of Agriculture so attendees may receive recertification credit.

Certified Crop Adviser Program Continuing Education Units
The Tennessee Certified Crop Adviser Board has approved the following Continuing Education Units (CEUs): 2.5 Crop Management, 2.0 Soil and Water Management, 4.0 Integrated Pest Management, 1.0 Precision Ag, 1.5, 2.0 Professional Development and 1.5 Nutrient Management. According to information available on the International CCA Program website, Tennessee approved CEUs are recognized by local boards in all states.

*Certified crop advisers **MUST SIGN** the sign-up sheets located at the tent where the tour is held to obtain credit.*

Category	Tour
Nutrient Management	A,F,G
Soil and Water Management	F,G,H
Crop Management	A,B,C, and K
Integrated Pest Management	B,C,D,E and L
Precision Ag	J
Professional Development	I, and M



TOUR A: NO-TILL CORN PRODUCTION

Tour A will be presented in Shed 1 at 9:00 a.m.
This tour will require 1 hour.

Insect Control in Conventional Corn

Sebe Brown, UT Department of Entomology and Plant Pathology, Associate Professor

Trends From 10 Years of Corn CST's

Ryan Blair, UT Extension Specialist II, Grain and Variety Testing

Advancing Nutrient Management Using Fertilizer Recommendations Support Tool

Nathan A. Salon, University of Arkansas Agricultural Experiment Station, Interim Chair, Professor and Associate Vice President for Agriculture

TOUR B: NO-TILL COTTON PRODUCTION

Sponsored by Crockett Gin Company and Bemis Gin and Warehouse

Tour B will be presented in Shed 2 at 11:00 a.m.
This tour will require 1 hour.

Investigating Apical Dominance Loss and Mitigation Strategies in Cotton Production Systems

Gabriella Marotta, UT Department of Entomology and Plant Pathology / Department of Plant Sciences, Graduate Research Assistant

Assessment of Cotton Cultivars with Different Maturity Levels Under Smart Irrigation and Water-Limited Regimes

Smirti Shahi, UT Department of Plant Sciences, Graduate Research Assistant

Investigating the Damage Potential of Clouded Plant Bugs in ThryvOn Cotton

Nathan Arey, UT Department of Entomology and Plant Pathology, Graduate Research Assistant

Yield Robbers Below Ground—Seedling Diseases and Nematodes

Kayla Reid, UT Department of Entomology and Plant Pathology, Graduate Research Assistant

TOUR C: NO-TILL SOYBEAN PRODUCTION

Sponsored by Tennessee Soybean Promotion Council Inc.

Tour C will be presented in Shed 1 at 10:00 a.m., and in the back of the shop at 11:00 a.m.
This tour will require 1 hour.

Weed Management in Vyconic Soybeans

Gavin Sparks, *UT Department of Plant Sciences,
Graduate Research Assistant*

County Standardized Soybean Trials

Jake Mallard, *UT Extension Agent III and County Director –
Gibson County*

UT Soybean Breeding: SCN Resistance and Variety Update

Chris Wyman, *UT Department of Plant Sciences,
Assistant Professor*

TOUR D: ENDANGERED SPECIES ACT (ESA) CHANGES TO PESTICIDE LABELS AND REQUIREMENTS

Tour D will be presented in Shed 3 at 8:00 a.m.
This tour will require 1 hour.

Weed Management Implications with New Herbicide Labels

Sally Reed, *UT Department of Plant Sciences,
Graduate Research Assistant*

ESA Pesticide Label Requirements

Chad Hayes, *Tennessee Department of Agriculture*

Practical Implementation of Label ESA Changes for Growers and Pesticide Applicators

Kim Brown, *Acre Blitz Co-Founder*

TOUR E: HERBICIDE- RESISTANT WEED MANAGEMENT

Tour E will be presented in Shed 1 at 11:00 a.m.
This tour will require 1 hour.

Herbicide-Resistant Weed Management

Larry Steckel, *UT Department of Plant Sciences, Professor*
Taylor Singleton, *Extension Sustainability Specialist, University
of Georgia, Assistant Professor*

TOUR F: ADOPTING MEHLICH III EXTRACTION FOR PHOSPHOROUS AND POTASSIUM RECOMMENDATIONS IN TENNESSEE

Tour F will be presented in Shed 3 at 9:00 a.m.
This tour will require 1 hour.

Interpreting Soil Test Results for Fertilizer Recommendations

Robert Florence, *UT Soil, Plant and Pest Testing Center,
Director*

Using Melich III Extraction for Phosphorus and Potassium Fertilizer

Nutifafa Adotey, *UT Department of Biosystems Engineering
and Soil Science, Associate Professor*

Panel Discussion: Role of Grower Input in Refining Mehlich III Based Fertilizer Recommendations

Robert Florence, *UT Soil, Plant and Pest Testing Center,
Director*



TOUR G: MANAGING SOIL HEALTH FOR PRODUCTIVE AND RESILIENT CROPPING SYSTEMS

Tour G will be presented in Shed 2 at 9:00 a.m.
This tour will require 1 hour.

Utility of Chicken Litter in a Corn–Soybean Rotation

Jake McNeal, *UT Department of Plant Sciences, Assistant Professor*

Do Conservation Practices Add Up? Stacking Soil Conservation Practices for Soil Health

Debasish Saha, *UT Department of Biosystems Engineering and Soil Science, Associate Professor*

Facundo Lussich, *UT Department of Biosystems Engineering and Soil Science, Postdoctoral Scholar*

Cover Crop Nitrogen Calendar

Resham Thapa, *TSU Department of Agricultural Sciences and Engineering, Assistant Professor*

Management Effects on Biological Nitrogen Fixation in Legume Cover Crops

Facundo Lussich, *UT Department of Biosystems Engineering and Soil Science, Postdoctoral Scholar*

Sindu Jagadamma, *UT Department of Biosystems Engineering and Soil Science, Professor*

Debasish Saha, *UT Department of Biosystems Engineering and Soil Science, Associate Professor*

TOUR H: IRRIGATION/ DROUGHT MANAGEMENT

Tour H will be presented in Shed 2 at 8:00 a.m.
This tour will require 1 hour.

Making Every Drop Count: Deficit Irrigation for Sustainable Corn Production

Kendall Sheldon, *UT Department of Biosystems Engineering and Soil Science, Research Associate*

Avat Shekoofa, *UT Department of Plant Sciences, Associate Professor*

The Scientific Logic of Farmland Water Management

Xi Zhang, *UT Department of Biosystems Engineering and Soil Science, Assistant Professor*

Advanced Irrigation Management for Profitable Returns

Wesley Porter, *University of Georgia, Professor and Extension Precision Ag and Irrigation Specialist*

The Economics of Cover Crop, No-Till, and Water Management

Le Chen, *UT Department of Agricultural and Resource Economics, Assistant Professor*

TOUR I: PLANNING TODAY FOR TOMORROW'S FARM

Tour I will be presented in Shed 3 at 10:00 a.m.
This tour will require 1 hour.

Why Succession Planning?

Charles Martinez, *UT Department of Agricultural and Resource Economics, Associate Professor*

The Family Discussion

Eryn Bell, *UT Department of Agricultural and Resource Economics, UT Farm Management Specialist*

Taking Stock of Your Estate

Les Humpal, *UT Department of Agricultural and Resource Economics, UT Farm Management Specialist*



TOUR J: PRECISION AGRICULTURE

Tour J will be presented in the back of the shop at 9:00 a.m., and again in Shed 2 at 10:00 a.m.
This tour will require 1 hour.

Optimizing Your Planter Setting and Technology for Stand Establishment in Corn and Cotton

Wesley Porter, *University of Georgia, Professor and Extension Precision Ag and Irrigation Specialist*

Targeted Herbicide Application: A See and Spray Approach

Lauren Lazaro, *University of Georgia Department of Crop and Soil Sciences, Assistant Professor and Extension Precision Ag Specialist*

Pesticide Applications with Spray Drones and Manned Aircraft

Simer Virk, *Auburn University Department of Biosystems Engineering, Associate Professor and Extension Precision Ag Specialist*
Brycen Rainey, *Rainey Aerial Ag Service Inc., Owner/Operator*

Integrating Drone Thermal Imagery into Plant-Based Irrigation Strategies

Charles “Munga” Muiruri, *UT Department of Plant Sciences, Graduate Research Assistant*
Nazir Ahmad, *UT Department of Plant Sciences, Postdoctoral Fellow*
Avat Shekoofa, *UT Department of Plant Sciences, Associate Professor*

TOUR K: NO-TILL CANOLA PRODUCTION

Sponsored by Corteva Agriscience

Tour K will be presented in the back of the shop at 10:00 a.m. and again in Shed 3 at 11:00 a.m.
This tour will require 1 hour.

Canola 101 – Let’s Talk About Where We Are with Canola in Tennessee

Mitchell Richmond, *UT Department of Plant Sciences, Associate Professor*

Experiences with Research on Canola in Tennessee Over the Past 15 Years

Brad Fisher, *UT Department of Plant Sciences, Research Associate*

Not Too Early, Not Too Late – Finding the “Just Right” Timing for Fungicide in Winter Canola

Claire Cooke, *UT Department of Entomology and Plant Pathology, Graduate Research Assistant*

Updates From Industry Partners

Suzannah Wiggins, *Corteva, Field Agronomist*

TOUR L: DISEASE MANAGEMENT IN ROW CROPS

Tour L will be presented in Shed 1 at 8:00 a.m.
This tour will require 1 hour.

Foliar Disease in Soybeans

Lucas Marques, *UT Department of Entomology and Plant Pathology, Graduate Research Assistant*

Modeling Disease Risk – Crop Disease Forecasting Tool

Wade Webster, *North Dakota State University, Assistant Professor and Extension Plant Pathologist*

Best Practices for Fungicide Applications with Drone

Terry Spurlock, *The University of Arkansas System Division of Agriculture, Professor and Extension Plant Pathologist*

TOUR M: GROWING YOUR LEGACY - STRATEGIES FOR PLANNED GIVING

Tour M will be presented in the conference room of the West Tennessee Agricultural Museum at 10:00 a.m.
This tour will require 1 hour.

Growing Your Legacy: Strategies for Planned Giving

Ashley Eshleman, *Esq.*
UT Office of Advancement, Director of Planned Giving



TRADITIONAL SKILLS DEMONSTRATIONS

Sponsored By CAP of Rutherford

Demonstrations will be located in the area behind the Ag Museum from 8:00 a.m. to 1:00 p.m.

- 1900 Hay Trolley – Allen Leitherland
- Bee Keeping – Bob Hathcock
- Blacksmithing – Tennessee River Artist Blacksmith Association
- Cotton Ginning – Don Gibson, Darol Copley, Bob Hayes
- Crochet, Knitting, Spinning – Stephanie Welch
- Grist Mill – Doug and Gerald Davis
- Sorghum Making – Jim Baier
- Wood Turning – Randy Pitts

ANTIQUE TRACTOR SHOW AND PARADE

Sponsored by Tennessee Farm Bureau

The antique tractor show will be on the lawn across from the Ag Museum between 8:00 a.m. and noon, and the parade will begin at noon on the paved driveway between the Ag Museum and shop area.

- Shade Tree Antique Tractor Club – Dyer County
- West TN Antique Engine and Tractor Association

AERIAL DEMONSTRATION

Demonstration will be in the field adjacent to the grassy area in front of the Milan REC office. Demonstration will begin at 12:30 p.m.

- Unmanned Aerial Vehicle (UAV) - Simer Virk, Auburn University
- Manned Aircraft - Brycen Rainey, Rainey Aerial Ag Service Inc.

COMMERCIAL DISPLAYS

- ADM
 - Advanced Agrilytics
 - AgLaunch
 - Agricenter International
 - Agroliquid
 - AgXplore
 - Alliance Ag Equipment
 - American Irrigation
 - Baling Green Cotton Wrap
 - BASF/Stoneville
 - Bayer
 - Beck's
 - Brandt
 - Corteva AgriScience
 - Farm Credit Mid-America
 - First Choice Farm & Lawn
 - GreenPoint Ag
 - H&R Agri-Power
 - Helms Motor Co. Inc.
 - MacDon – Short Line Sales
 - Mallard Metal Buildings
 - Martin-Till
 - MiLink
 - Newton Crouch Company, LLC
 - Poston Family Garlic Farm
- Purple Wave Auction
 - Rea Agri Service
 - Southeastern Seed Company, LLC
 - Syngenta
 - Tennessee Farmers Cooperative
 - Tennessee Soybean Promotion Board
 - Tennessee Tractor, LLC
 - The KBH Corporation
 - Thompson Machinery
 - Titan Ag, LLC
 - Tyson Local Grain Services
 - UniSouth Genetics, Inc
 - Walk-In Urgent Care
 - Wintersteiger

EDUCATIONAL DISPLAYS

- Crop Protection Network
- Gibson County Farm Bureau Women
- Kentucky Department of Ag & Raising Hope KY
- Tennessee Association of Rescue Squads (TARS)
- Tennessee Corn Board Association
- Tennessee Department of Agriculture – Ag Inputs
- Tennessee Forestry Association
- Tennessee Soybean Promotion Council Inc.
- TN AgrAbility/TN AgVols
- USDA Gibson County Farm Service Agency Tennessee
- USDA NASS (National Agricultural Statistics Service)
- USDA-NRCS Soil Health Booth
- USDA Soil Health Trailer
- USDA Tennessee Farm Service Agency
- UTIA AgResearch
- UTIA Extension
- UTIA Marketing and Communications
- UTM - College of Agriculture and Applied Sciences
- West Tennessee Healthcare Milan Hospital

SPONSORSHIPS

We would like to thank all of our sponsors that partner with us to make this event possible.

COMMUNITY PARTNERS - \$250

American Irrigation
ATA Firm
Blake and Lisa Brown
Carrol Bank and Trust
Edward Jones
Jason and Dana Williams
Milan Chamber of Commerce
Quality Fence
Security Bank and Trust Co.
UniSouth Genetics, Inc.

SUPPORTING PARTNER - \$750

Robinson and Belew Inc.
Titan International/Carlstar

LOCATION PARTNERS- \$1,000

CAP of Rutherford – Traditional Skills Demonstration
GreenPoint Ag – No-Till Soybean Parking Lot
Tennessee Farm Bureau – Antique Tractor Show

RESEARCH SHED PARTNERS - \$1,500

Corteva Agriscience – Shed 3
Crockett & Bemis Gin Company and Warehouse – Shed 2
Tennessee Soybean Promotion Council Inc. – Shed 1 and Shop (\$2500 level sponsor)

MEAL PARTNERS - \$2,500

Nutrien Ag Solutions – VIP Breakfast
Syngenta – VIP Breakfast
Wintersteiger – America's 250th Lunch

AMENITIES

FIELD DAY PARKING

Sponsored by GreenPoint Ag

The general parking area will be at the No-Till Field Day site near the West Tennessee Agricultural Museum. Follow the signs.

Handicapped persons will have a special designated parking area near the Registration Tent to facilitate needs.

To request an accommodation for accessibility, please contact us at: 731-686-7362.

FOOD AND REFRESHMENTS

America's 250th Lunch

Sponsored by Wintersteiger

Food and drink will be available throughout the No-Till Crop Production Field Day. The food shed will be located at the end of the gravel lot across from the Research Tour sheds. Lunch items may include Tennessee barbecue, slaw, chips, baked beans, and soft drinks. There will be other food vendors available in the parking lot of the West Tennessee Agricultural Museum.

Water coolers and restrooms will be available at many locations over the Field Day site.

MEDICAL ASSISTANCE

Emergency medical care and treatment by trained staff will be available near the registration tent.

AVIATION INFORMATION

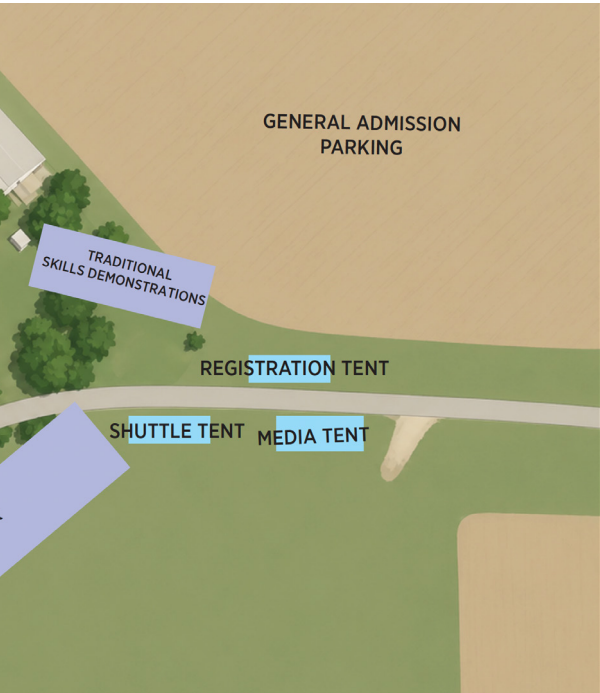
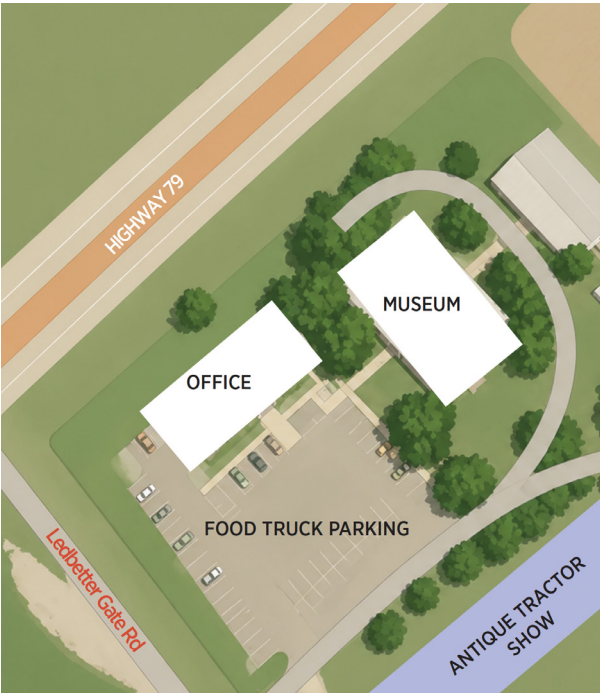
The Gibson County Airport is located six miles west of Milan. Asphalt runway 1/19 is 4,800 ft. x 75 ft. Call 731-686-1524 for information.

The McKellar-Sipes Regional Airport is located 30 miles south of Milan in Jackson, Tennessee, on Airways Blvd./ Highway 70. For information, call U.S. Aviation Services - FBO at 731-427-0191, Jackson Control Tower - FAA at 731-425-9430, or Airport Authority at 731-423-0995.

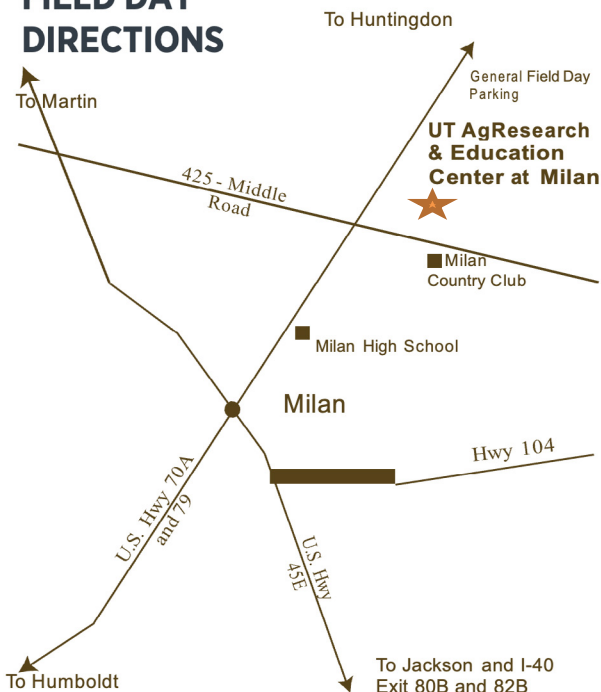
Memphis International Airport is approximately 100 miles southwest of Milan, in Memphis, Tennessee. For more information, call 901-398-3900.

Nashville International Airport is located approximately 145 miles east of Milan, in Nashville, Tennessee. For more information, call 615-275-1675.





FIELD DAY DIRECTIONS



*We look forward to seeing you at the
35th Milan No-Till Field Day scheduled for
Thursday, July 27, 2028!*



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The University of Tennessee is an EEO/AA/Title VI/Title IX/Section 504/ADA/ADEA institution in the provision of its education and employment programs and services. All qualified applicants will receive equal consideration for employment and admission without regard to race, color, national origin, religion, sex, pregnancy, marital status, sexual orientation, gender identity, age, physical or mental disability, genetic information, veteran status, and parental status.