

APPENDIX

**Program for the
12th Annual**

**Milan No-Till
Crop Production
Field Day
and
Planting Equipment
Demonstrations**

**Thursday, July 23, 1992
7:00 a.m. - 3:00 p.m.**

**North Tract of the
Milan Experiment Station
Milan, Tennessee**

**The University of Tennessee Institute of Agriculture
D. M. Gossett, Vice President
Agricultural Experiment Station
D. O. Richardson, Dean
J. F. Bradley, Superintendent**

**The University of Tennessee
Milan Experiment Station**

WELCOMES YOU

**to the 12th Annual Milan No-Till Crop
Production Field Day.**

Please **turn** to the next page for descriptions of the field day activities--including exhibits on display at the West Tennessee Agricultural Museum.

Research-oriented **tours** of the Milan Experiment Station are described **in** the center **of this** booklet, and these descriptions are followed by listings of the organizations displaying commercial products, safety and educational materials, and farming equipment.

Many community events are scheduled to coincide with **the** field day, and these **are** described toward the end of **this** booklet. The **final** pages include a map to the field day **site** and descriptions of the amenities available during the activities.

Please let **us** know if we can assist you. We hope you have an educational and enjoyable visit to the Milan Experiment Station.

John F. Bradley
Station Superintendent

Field Day Activities

Research Tours

Tours will **start** at **7:00** a.m. CDT, Thursday, July 23rd. Last tours will **start** no later than **3:00** p.m. Each tour **is** approximately one hour and fifteen minutes in length, with each stop 15 minutes long.

NOTE: Approximately **6** hours will be required to visit all stops. Those desiring to take several tours should plan to arrive early. Please **turn** the page for complete descriptions of tours and tour stops.

West Tennessee Agricultural Museum

The West Tennessee Agricultural Museum will be open throughout the No-Till Field Day events between the hours **of** **7:00** a.m. and **5:00** p.m. **Large** displays **of** antique **farm** equipment and tools used **by** early West Tennessee settlers are featured. Replications of a blacksmith **shop**, early school **house**, church, country's store, country kitchen, and a diorama of life and living conditions experienced by early settlers of West Tennessee are also available for viewing. The museum is located on the field day site. Admission is free.

Point Sign-up

Recertification of Restricted - Use Pesticides

Certified pesticide applicators must accumulate at least ten (10) points over a period of five (**5**) years or take a recertification exam in order to become recertified. The Tennessee Pesticide Coordinator and the Head of the Environmental Control Section of the Tennessee Department of Agriculture has assigned **TWO (2) RECERTIFICATION POINTS** to those attending and participating in the **RESEARCH TOURS** at the Milan No-Till Field Day.

Private and commercial pesticide applicators **MUST SIGN** the sign-up sheets located at the Registration Tents around the field day site.

**Farm Safety Center
Agricultural Safety and Health Promotion
Tent and Display**

The Gibson County Tennessee **4-H**Honor Club through a grant received from the Tennessee Agricultural Health Promotion is sponsoring a tent and display ~~area~~ to emphasis Farm Safety. The commercial and educational exhibits will feature:

- Tractor Safety
- Pesticide Protection
- Pesticide Container Rinse Equipment
- Pesticide Calibration Equipment
- Rotary** Cutter and **Lawn** Mower Safety
- Pesticide Container Disposal Methods & Equipment
- Well and Water Testing
- Power Take Off (PTO) Safety
- Grain Bin Safety
- Pesticide Spill and Clean-up Materials
- Electrical Safety

The Farm Safety Center is located near the food service tents, behind the large commercial and educational exhibit tents.

Tour A

NO-TILL WEED CONTROL -- CORN AND SOYBEANS

Board designated buses at tent area. Buses leave every 15 minutes. The complete tour requires approximately one hour. Tents for shade and bales of straw for seating are provided.

New Herbicides For No-Till Corn

Elmer Ashburn, Professor & Leader, Extension Plant and Soil Science
Bob Montgomery, Extension Leader, Obion County

Round-up Tolerant Soybeans

Blake Brown, Plant and Soil Science
Greg S. Allen, Extension Leader, Lake County

Screening Display of Various Herbicides on Crops of the Region

G. Neil Rhodes, Jr., Associate Professor, Extension Plant and Soil Science
Tom Mueller, Assistant Professor, Plant and Soil Science

Tour B

No-Till Cotton Production Practices

Board covered trailers across from tent area, near registration tents. Complete tour requires one hour.

Replanting Decision of Cotton

Albert Y. Chambers, Professor, Entomology & Plant Pathology
Melvin Newman, Professor, Extension Entomology & Plant Pathology

Influence of Tillage on Fruiting Patterns of Cotton

P. E. Hoskinson, Professor Emeritus, Plant and Soil Science
Sammy Elgin, Extension Leader, Madison County

Weed Control for No-Till Cotton

Robert M. Hayes, Professor, Plant & Soil Science
Bill Wyatt, Extension Agent, Madison County

Tour C

No-Till Cotton Management

Tour assembles and departs every 15 minutes at tent near bus loading area. Tour is a walking tour, one and one half hour in length. Tents for shade and bales of straw for seating are provided at each stop.

Foliar Feeding Cotton with Potassium In No-Tillage and Conventional Cotton

Donald D. Howard, Professor, Plant and **Soil** Science

Tips For Successful No-Till Cotton

Paulus Shelby, Associate Professor, Extension Plant **and** Soil Science

Jamie Jenkins, Extension Leader, Fayette County

Equipment For Successful No-Till Cotton

Ken J. Goddard, Extension Leader, Henry **County**

Philip A. Coleman, Assistant Extension Agent, Shelby County

Tour D

No-Till Pastures - Summer and Winter Annuals - Hay and Forage Utilization

Tour assembles and departs every 15 minutes at tent near bus loading area. Tour is **walking** tour, one hour in length. Tents for shade and bales of **straw** for seating provided at each talk.

Hay Storage and Hay **Q**uality

Bobby L. Bledsoe, Professor, Agricultural Engineering

Robert **S.** Freeland, Associate Professor, Agricultural Engineering

Summer and Winter Annuals

Joe D. Bums, Professor, Extension Plant and **Soil** Science

Ricky Joe Carlisle, Associate Superintendent, Ames Plantation

Utilization of Quality Forages **&** Forage Testing

James B. Neel, Professor **&** Leader, Extension Animal Science

William Warren Gill, Associate Professor, Extension Animal Science

Tour E

Residue Management and Environmental Quality

Board covered trailers across from tent area, near registration tents. Complete tour requires one hour and 15 minutes.

Soil Cover, Surface Water Quality and Conservation Compliance

Bob Hathcock, Professor, Agriculture/Natural Resources

Brad Denton, District Conservationist, Soil Conservation Service

Soil Cover and Water Quality

Glenn V. Wilson, Assistant Professor, Plant and Soil Science

Grant Thomas, Professor, University of Kentucky, Department of Agronomy

Crop Residue and Grass Cover Crop Management

Michael D. Mullen, Assistant Professor, Plant & Soil Science

Timothy N. Burcham, Assistant Professor, Extension Agricultural Engineering

Legume Cover Crop Management

Bob N. Duck, Professor, Plant & Soil Science

Don D. Tyler, Professor, Plant & Soil Science

Tour F

Managing Forestry, Wildlife and Fisheries

Assemble in the Forestry, Wildlife, and Fisheries tent near bus loading area. Program includes displays and demonstration of equipment and products for wildlife damage control. Representatives from the Tennessee Wildlife Resources Agency, the Tennessee Division of Forestry, The University of Tennessee Agricultural Extension Service will be available to answer questions.

Crop Damage by Deer and Groundhogs

Jim Byford, ~~Dean~~ of Agriculture, University of Tennessee/Martin

Beaver Management and Control Problem

Allan Houston, Research Assistant Professor, University of Tennessee/Ames

Bird Depredations at Fish and Aquaculture Projects

Thomas K. Hill, Professor, Extension Forestry, Wildlife and Fisheries

No-Till Forestry, Wildlife & Fisheries Continued

Forest Stewardship Program and STP

Larry Tankersley, Extension Associate, Extension Forestry, Wildlife and Fisheries

Current Timber Prices

George M. Hopper, Associate Professor, Extension Forestry, Wildlife and Fisheries

Displays and Demonstrations

Michael M. King, Assistant Professor, Extension Forestry, Wildlife and Fisheries

Robert D. Smith, Extension Assistant, Extension Forestry, Wildlife and Fisheries

Tennessee Wildlife Resources Agency Display & Information

Tennessee Division of Forestry-Forest Stewardship Display

Electric Fences-Deer Damage Control

Bird Scaring Devices

Traps

Wildlife Repellents

Tree Protectors

Beaver Control Device

No-Till Acorn Planter

No-Till & Conventional Wildlife Food Plot

Tour G

Row Spacing and Plant Populations For Crop Production

Attendees participating in **this** tour should board busses at tent area. Busses depart every 15 minutes and deliver attendees to tour site where a short walking tour convenes. Tents for shade and bales of straw for seating are provided at each stop. Participants may cross field to No-Till Planting and Equipment Demonstrations. Busses return every 15 minutes. Tour is 1 hour in length.

Effect of Row Spacing on the Yield of Soybean Varieties

Wayne T. Flinchum, Professor, Extension Plant and Soil Science

Freddie L. Allen, Professor, Plant and Soil Science

Corn Yields As Affected By Row Spacing and Plant Populations

Dennis R. West, Associate Professor, Plant and Soil Science

Robert C. Williams, Extension Agent, Weakley County

Display of 20" Row Corn Header

Grain Sorghum Yields As Affected By Row Spacing

Charles R. Graves, Professor, Plant and Soil Science

Vernon H. Reich, Associate Professor, Plant and Soil Science

Tour H

No-Till Planting and Equipment Demonstrations

Tours begin at 8:00 a.m. No-Till planters, drills, fertilizer applicators and spraying equipment will be demonstrated. Board buses at tent **area**; continuous demonstrations will take place **until** 1:00 p.m., after which, equipment will be **on** display in the field. Return buses will **run** every 15 minutes.

William E. Hart, Assistant Professor, Agricultural Engineering

Planter and Drill Demonstrations

Arizona Drip Systems, Inc.
Sundance Puller, 2 row
Sundance Disc, **2** row

Blu-Jet & G & L Distributing
Sub II, **5** row 30"

C.A.P., Inc. - Redball
Spray **Hood** Applicator equipped with
Redball hood and monitors

Fleischer Manufacturing (Buffalo Farm
Equip)
Buffalo Cultivator with Scout Guidance
System
Buffalo Slot Planter

Great Plains Mfg.
15 ft. **no-till** drill
Folding **no-till** drill, 30 ft

Haybuster Mfg.
Haybuster 107 **no-till** drill

J.I. Case Company
6 row **no-till** planter
15' **grain** drill w/coulter cart

John Deere
Narrow-wide **no-till** planter

The KBH Corp.
Coulter injector applicator-liquid
fertilizer, chemical injection for **no-till**

Lincoln Creek Manufacturing
Cultivator guidance system

Marliss Supply Company
Marliss no-till drill

Martin Row Cleaner
No-till planter w/row cleaner

Melroe Co.
Spray coupe

Northwest Tillers
Strip tiller - 20' unit

Precision **Tank** & Equipment
Pick up spray unit for row crop

Rawson Coulters
Zone till coulter cart
15' **no-till** corn planter

S & N Sprayer
Model **35** direct spray wheel unit
Model **UF-5** RYO, 12 row

Strohm Brothers
13 ft aerator

Planter/Drill Demonstrations Continued

Sukup Manufacturing
Sukup **Model** 600 cultivator w/Auto
Guide System

The Tye Company
Tye series V **no-till** drill
Tye paratill

Tri-County Equipment
Kinze 6 row - **15"** spacing no-till planter

United **Farm** Tools
15 ft - 5010-8HD no-till grain drill

Equipment Displays

Ag-Chem Equipment **Co.**, Inc.
3 Wheeler Tru-spread with liquid system

Big Rivers Agri Supply
Shelbourne Reynolds Grain Stripper &
DMI Anhydrous applicator

Ciba-Geigy Corp.
Bicep & Dual **Farm** & Field Paks

Deutz-Allis
Combine & Tractor

Ford New Holland, Inc.
TW Tractor & Hay Equip.

Great Plains Mfg., Inc.
15' 3 pt. No-Till Drill

Haybuster Mfg.
No-Till Drill

J. I. Case Company
4 Row Cotton Picker, Tractor & Planter

J M Innovations, **Inc.**
ATV Mini-floator sprayer, Smucker
Weed Wiper 30'

John Deere Co.
J D 750 No-Till Drill
J D 7300 No-Till Planter

Krone Niemeyer

Hay Equipment

Marliss Supply Co., Inc.
Grain Drills

Melroe Company
Sprayers

Mid-America Sales
Best **Grain Drill**, Sprayer, and
Progressive Farm Tools

Nichols Welding & Manufacturing
Lay-by rig & hydraulic spray boom

Palco Livestock Equip.
Livestock Handling & Holding

Precision Tank Co.
Hi Clearance Pick **Up** Spray Unit

S & N Sprayer Co., Inc.
Tractor with Lay-By Unit Attached

Tennessee Farmers Cooperative
Sprayers - Spreaders

The KBH Corporation
Cotton Wagon - Module Builder

Tn-County Equipment **Co.**
Kinze Planter, Great Plains Drill,
Hesston Tractor

Equipment Displays Continued

The Tye Company
No-till drill

Tuckasee Irrigation
Irrigation Equipment

United Farm Tools
No-Till Drills

Unverferth Mfg. Co.
CPC 2000 Conservation Deep-Ripper

Vemeer
Round Balers, **Rakes**, Mower, **etc.**

Vittetoe Chaff Spreader, Inc.
Combine Chaff Spreader

Western Sales & Service
Fertilizer Spreaders, Fertilizer tenders

Yetter Mfg. Co. Inc.
No-Till Planter

Commercial Displays

Ag-Chem Equipment Co., Inc.
AGCO
Agri-Center International
Amen-Can Pedigreed Seed Co.
American Cyanamid
Arizona Drip Systems, Inc.
Asgrow Seed Company
BASF Corporation
Big Rivers Agri Supply
Blu-Jet & G & L Distributing
Bruce Martin Construction, Inc.
C.A.P., Inc. - Redball
Cargill Hybrid Seeds
Cedar Chemical Corp.
Ciba-Geigy
Data Transmission Network
DeKalb Plant Genetics
Delta and Pine Land Co.
DowElanco
DuPont Chemical Company
Farm Credit Services
Fleischer Manufacturing, Inc., (Buffalo
Farm Equipment)
Ford New Holland
Four **Star** Services, Inc.
Great Plains Mfg. Inc.

Griffin Corporation
Gustafson
Haybuster Mfg.
Helena Chemical Company
ICI Americas
ICI ~~seed~~
1-40 Communications, Inc.
J C Bradford & Co., Futures
J & K Associates
J I Case Company
J M Innovations Inc.
Jackson Diesel Service
Jacob Hartz Seed Co
John Deere Company
The KBH Corporation
Krone Niemeyer
Lincoln Creek Manufacturing
Marliss Supply Company Inc.
Martin Row Cleaner
Melroe Company
Micro **flo**
Miles Inc.
Monsanto Agricultural Group
NAPA Auto Parts
Nichols Welding & Manufacturing
Northrup King Co.

Commercial Displays Continued

Northwest Tillers, Inc.
Palco Livestock Equipment
Power Cleaning Equipment of TN
Precision Tank & Equipment Co
Rawson Coulters Inc.
Rhone Poulenc Ag Co.
Rohm & Haas Company
S & N Sprayer Co., Inc.
S & W Supply Inc.
Sandoz Crop Protection Corp.
Spectrum Technologies, Inc.
Stine Seed Co.
Stockade Buildings
Stoneville Pedigreed **Seed** Company
Spraying Systems Co. "Teejet"
Strohm Brothers Inc.
Sukup Manufacturing Co.

Sure-Grow Cottonseed
TN Ag Supply
Tennessee Farmers Cooperative
Terra International Inc.
Texas Refinery Corp.
The Tye Company
Tri-County Equipment Co
Tri-State Delta Chemicals Inc.
Tuckasee Irrigation
UniRoyal Chemical Company
United Farm Tools Inc.
Valent U.S.A.
Vittetoe Chaff Spreader, Inc.
Western Sales & Service Inc.
Wolf Creek Oil Company
Yetter Manufacturing Company
Zimmerman Hybrids

Educational Displays

Chickasaw-Shiloh R C & D Association
City of Milan Hospital
Conservation Technology Information
Center
Easter *Seal* of Tennessee
Farmers Home Administration
Gibson County ASCS Office
Gibson County Farm Bureau Women
Gibson Electric Membership Corporation
Haywood County Agricultural Extension
Service **4-H**
Madison County Farm Bureau Women
Milan Department of Public Utilities
Safety Supply America
Tennessee Ag Extension Service Water
Quality Committee
Tennessee Agricultural Statistics Service
Tennessee Beef Quality Assurance
Committee
Tennessee Certified Varieties, Inc.

Tennessee Department of Agriculture
Tennessee Farm Bureau Federation
Tennessee Forage and Grassland Council
Tennessee Plant Food Educational
Association
USDA - Soil Conservation Service
UT Agricultural Experiment Station
UT Agricultural Extension Service - ~~Manage~~
Program
UT College of Agricultural Sciences &
Natural Resources
UT College of Veterinary Medicine
UT Computer/Video Safety Training
UT Grain Bin Safety
UT Martin Agronomy Club
UT Radio Control Tractor Hazard Course
UT Tennessee Infield Sprayer-Mounted
Rinse System
West Tennessee Women For Cotton
West Tennessee Farmers' Market