



PennState
College of Agricultural Sciences

Ag Progress Days

PROGRAM GUIDE

47
ANNIVERSARY
AG PROGRESS DAYS
AT THIS SITE

August 8–10, 2023

Russell E. Larson Agricultural Research Center
Rock Springs, PA

Tuesday 9:00 a.m.–5:00 p.m.
Wednesday 9:00 a.m.–7:00 p.m.
Thursday 9:00 a.m.–4:00 p.m.

apd.psu.edu



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Penn State College of Ag Sciences

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Welcome to Ag Progress Days!

Welcome to the Russell E. Larson Agricultural Research Center for this 47th Ag Progress Days exposition! We are excited to share with you the many advancements and opportunities in agriculture and related fields.

We encourage you to explore the many exhibits, tours, workshops, and presentations to get a firsthand look at the research, extension, and educational programs conducted by your land-grant university, with the support of our partners, friends, and stakeholders.

We have a wide variety of attractions, from commercial exhibits and field demonstrations highlighting the latest agricultural technology to gardening advice, food demonstrations, horse exhibitions, and activities for kids. Be sure to visit the Pasto Agricultural Museum for a look at the history of farming and rural living. And when you need a break, check out the nonprofit and commodity-group food vendors ready to serve you a slice of Pennsylvania's bounty.

To help guide your visit, stop at the information booth near the top of Main Street to get directions or answers to your questions. If there is anything we can do to make your stay more pleasant, our faculty and staff are here to assist.

Thanks for coming and enjoy your day!



Rick Roush, Dean
Penn State College of Agricultural Sciences

General Information

ATM Machine: Located in the Farm Credit Building at the corner of Main and West 6th Streets.

Disability Services: Golf carts, courtesy of Lancaster Farming, will be available at the Ag Alumni Pavilion at West 11th and Main Street. They are made available on a first-come, first-served basis for two-hour increments to individuals with medical needs, and drivers must be 18 years or

older. A limited supply of scooters will be available for rent from T & B Medical on West 9th Street.

Information Booth: Located at Main Street and across from West 10th Street. Lost-and-found items are kept at the Information Booth. Lost children and adults should contact security personnel on the grounds or report to the Information Booth.

Medical Services: A first aid station is located in the headquarters (white farmhouse) at Main and West 10th Streets. Emergency medical technicians and an ambulance are on site during show hours. Access emergency assistance by dialing 911 or contact security personnel on site.

Pets: Service animals assisting individuals with disabilities are generally permitted in all facilities and programs. University policy prohibits pets in buildings, tents, and on the show grounds.

Portable toilets and hand-washing stations: Facilities are located throughout the grounds (see map). In addition, handicap restroom facilities and infant changing tables are also available in the Special Events Building and Pasto Museum.

Recycling: Please help support Penn State's recycling efforts. Use the blue recycling containers throughout the grounds. These containers are for plastic bottles and mixed paper.

DISCLAIMER: Machinery, equipment, products, and services provided are for educational purposes. Their presence does not imply endorsement or recommendation by Penn State.





Penn State College of Ag Sciences featured units

in the College Exhibits Building:

- **Department of Entomology** — Spotted Lanternfly
- **College of Agricultural Sciences Office for Research and Graduate Education along with the Institute for Sustainable Agricultural, Food and Environmental Science** — Climate Smart Ag and Biodiversity
- **Departments of Animal Science, Veterinary & Biomedical Sciences along with Penn State Animal Systems Extension** — Animal Health Issues

Daily Presentations at the College Theater (CT) posted on the Schedule of Events will cover topics such as:

- Research Results on Climate-smart Agriculture and Biodiversity
- Animal Health Management Updates on Avian Flu and Small Animal Ruminants
- Management Options for the Spotted Lanternfly
- Understanding Diversity, Distribution and Abundance of Wild Bee Pollinators

Special Presentations on the Grounds

College Connections: Ag Progress Days Town Hall Session

Tuesday, August 8, 10:30 a.m. to 11:30 a.m.

Location: Red Barn Annex

Dean Rich Roush will be joined by PA Dept. of Ag Secretary Russell Redding to discuss the current state of Pennsylvania agriculture, including emerging issues and opportunities. A question-and-answer session will take place after opening remarks. This session will have limited space for live audience and will be available via Zoom.

Growing the Next Generation

Tuesday, August 8, 1:00 p.m. to 2:30 p.m.

Location: Red Barn Annex

The PA Department of Agriculture will host a panel discussion with young agriculturalists to hear their perspectives on opportunities and challenges in the ag industry. From education and workforce, to marketing and advocacy, to innovation and technological advancements, growing the next generation of leaders is critical to Pennsylvania's bountiful future.

Washington, DC Updates From Congressman Glenn "GT" Thompson, Chairman of U.S. House Agriculture Committee

Wednesday, August 9, 2:00 p.m. to 3:30 p.m.

Location: College Exhibits Building Theatre Area

This public event will be hosted by Congressman Glenn "GT" Thompson of Pennsylvania's 15th Congressional District, the Chairman of the U.S. House Agriculture Committee. He will provide attendees with the latest updates from Washington and highlight the solutions the House Agriculture Committee is working on to address issues facing farmers in Pennsylvania and across the United States. After, attendees are encouraged to participate in a Q&A session.

Joint Informational Meeting of the House and Senate Agriculture and Rural Affairs Committees

Wednesday, August 9, 10:00 a.m. to noon

Location: Red Barn Annex



Mapping and Booth Label Reference Guide

Exhibitors have specific booth numbers assigning them to their location to connect with our interactive map. Click the exhibitor booth from the online map to search for more information about the company. Booth labels identify the building, tent, or area with the first one or two letters coded for the name of a location; see Locations Abbreviation Key (at the right).

Indoor exhibits located in the building or tent are numbered from the entrance, beginning with the hundred number indicating rows 1 through 5, with the higher numbered booth typically on the southern side of the exhibit tent or building.

Outdoor exhibit booth labels use the first letter or letters to identify if they are located East (E) or West (W) of Main Street or are located on Main Street (M). In addition, outdoor exhibit booth labels use the border streets of Demo Alley (DA) and Harrington Lane (H) as noted on the map. The first one or two numbers identify the street on which they are located, streets 1 through 13. Typically the exhibitor booth space numbers on the north side of street are even and those on the south side are odd numbers.

Locations Abbreviation Key for Exhibits

ABBREV	AREA	LOCATION
A	Farm Credit Building	Main and W. 6th St.
AM	PA One Stop/Ag Map Tent	Harrington Lane
AT	Antique Tractor Display	Main and E. 5th
C	College Exhibits Building	Main and W. 10th St.
CT	College Exhibits Building Theater	Main and W. 10th St.
CC	Penn State Cover Crops	Harrington Lane and E. 5th St.
CEA	Conservation Exhibit Area	Harrington Lane
CM	Maze Area, Corn/Sunflower	Harrington Lane and E. 5th St.
CS	Ag Pavilion (Courtesy Golf Cart Services)	Main and W. 11th St.
D	Dairy and Livestock Tent # 1	W. 12th St.
EB	Equine Exhibit Building	W. 13th and Arena
EC	Everett Cash Mutual Building	Main and W. 6th St.
ED	Equipment Demonstration Areas	See Equip. Demo Map
F	Family Building	W. 9th St. and Main
FF	American National Learning Center	E. 9th St. and Main
G	Exhibit Building # 2	E. 5th St.
HS	Rural Health and Safety Tent	Demo Alley and W. 6th
J	Joseph D. Harrington Building	Harrington Lane
L	Dairy and Livestock Tent # 2	W. 13th St.
MH	Main Horse Arena	Main St. and W. 13th St.
P	Pasto Museum	Main St. and E. 9th St.
PDA	PA Dept. of Agriculture Exhibit Building	W. 10th St.
PFB	PA Farm Bureau Exhibit Building	E. 5th St.
RB	Red Barn	Main St.
S	Special Events Building	Main St.
SC	Shaver's Creek Tent	Main and W. 8th St.
SD	Ag Safety Demonstration Area	Demo Alley
T	Tours	Main and E. 11th St.
V	Potato and Small Equipment Demo Area	Demo Alley and W. 10-12th St.
Y	Youth Building	W. 8th St.
YG	Yard and Garden Area	W. 11th St.



Exhibitors and Location

Company Name	Booth Information		
1ST CHOICE SEEDS.....	E616		
A			
A.M. LOGGING	EC303	AGRI-TRAC US	D101
AAA WEEKS	D301	AGROECOPOWER.....	W11-124
ABC YORK.....	E611	ALL AROUND FENCE	W528
ABILENE MACHINE	EC311	ALLEGHANY FARM SERVICES.....	W11-108
ACCESS DEVELOPMENT.....	PFB113	ALLEGHENY AG	W833
ACCURATE AG SPRAYING.....	W926	ALLENSVILLE PLANING MILL/YBC.....	W101
ACRES PROJECT.....	L209	AMERICAN ANGUS ASSOCIATION	D107
ADAMS SUPPLY	W848	AMERICAN LANDMASTER ASW	W213
ADV. COMPOSTING		AMERICAN LIVER FOUNDATION.....	HS104
TECHNOLOGIES.....	W11-106	AMERICAN NATIONAL	
AG-COM.....	W404, W307	INSURANCE	EC506
AGRA GPS	EC411	AMERICAN TRAUMA SOCIETY	HS205
AGRI SPRAY DRONES	L106	ANDERSON GROUP	W303
AGRI-DOOR.....	D306	ANTIQUE TRACTORS	M101
AGRI-KING	W911	APEX FABRICATION.....	W11-109
AGRI-NUTRITION CONSULTING.....	L301	AUTOMATIC FARM SYSTEMS.....	E321
AGRI-PLASTICS MFG.....	W856	AXIOTA ANIMAL HEALTH	L310
AGRITEER	E117, E118	B	
		B & R FARM EQUIPMENT	W547
		BAD DOG TOOLS	EC405
		BAILEY'S INC	W330

BAKER LIME BY RHI MAGNESITA.....	A312	CENTRE AREA TRANSP AUTH-CATA..	D214
BASTIAN TIRE & AUTO CENTERS.....	W125	CENTRE CO FOOD BANK.....	L210
BAZOOKA FARMSTAR.....	W10-110	CHAMPION HYDRAULICS &	
BECO EQUIPMENT.....	W121	MACHINE	L208
BEILER - CAMPBELL REALTORS &		CHEMGRO	E520
AUCTION	A510	CHESAPEAKE BAY FOUNDATION	J300
BEST LINE EQUIPMENT	W217	CHRISTIAN FARMERS OUTREACH....	EC114
BIGIRON AUCTIONS	EC410	CITIZENS FOR PA FUTURE.....	CEA13
BUGNOT CRUSHERS/FORESTRY		CLARKS AG SUPPLY.....	W927
MULCHERS.....	W331	CLEAN CUTTER FLAIL &	
BUSINESS LEASE CONSULT.....	EC305	TILLER BLADE.....	EC112
BW FUSION.....	D211	CLEANFIX NORTH AMER.	EC406
C			
C & C SPECIALTIES	W424	CLEVELAND BROTHERS	E105
C K MANUFACTURING.....	W924	CLOVERDALE EQUIPMENT	E525
CADCO-CONGDON ASSOC. DIST.....	W207	CONESTOGA MFG	W415
CALLICRATE BANDERS.....	L109	CONKLIN CO.....	A307
CDL USA	E106A	CORAL REEF PARTNERS.....	A410
CEDAR CREST EQUIPMENT	E528	COUNTRY CLIPPER/SHIVVERS	W222
CENTRAL PA INSTITUTE OF SCI.....	E106B	COUNTRY FOLKS.....	D317
CENTRAL PETRO CO.....	W510	CROPCARE	W915
		CROWN ROYAL STOVES/	
		GREENTECH	E211

Exhibitors and Location

CTR FOR BEEF EXCELLENCE..... EC510
 CTR FOR DAIRY EXCELLENCE D106
 CTR FOR RURAL PENNSYLVANIAA408

D

DAIRY ONED305
 DAKOTA MICROA512
 DBC AG PRODUCTS/ LIRA GOLD.....L101
 DEEP VALLEY FARM D118
 DEER COUNTRY FARM & LAWN..... W625
 DELAVAL W11-101
 DEUTZ-FAHR AMER. W844
 DILLER AG EQUIPMENTW411
 DION-AG H103
 DOTTERER EQUIPMENT E316
 DOUBLE B STORE.....W10-109

E

E. M. HERR EQUIPMENTW509
 E. RISSLER MFG.....W916
 EASTERN STATES LIVESTOCK.....W10-115
 EMM SALES & SERVICEW100
 ENERGY PANEL STRUCTURES..... DA126
 ENVINITY W204
 ENVIRONMENTAL TILLAGE
 SYSTEMSW526
 EPHRATA NATIONAL BANK..... EC310
 ERNST SEEDS CEA11
 ESCH HAY EQUIPMENTW418A
 EVERETT CASH MUTUAL
 INSURANCE CO. EC401, EC201

F

FARM POWER IMPLEMENTS..... W309
 FARMCO MFG.....W419
 FARMER BOY AG.....W518
 FARMERS BUSINESS NETWORKL112
 FARMERS CHOICE TIRE SERVICEW621
 FEEDWORKS USA L113
 FERTICELLEC104
 FIRST CITIZENS COMM. BANK.....PFB101
 FISHER & THOMPSOND303
 FOALPRO & CRF EQUINE SVCSEB301
 FORD/NEWSCOPE MARKETINGW840
 FORSHEYS AG & INDUSTRIALH101
 FOSTER F WINELAND W634
 FRIENDS OF FARM SHOWPDA111
 FULTON BANK NA.....EC403

G

GAPS ECO SYS LLC..... D311
 GOODVILLE MUTUAL
 CASUALTY CO.....A405
 GOVERNOR'S YOUTH CNCL/ DCNR ..Y304
 GRASSWORKS MFG.....W10-108
 GRO-MOR PLANT FOOD CO.EC408
 GROWERS CHEMICAL CORP.....W600
 GROWMARK FS/DEKALB E624
 GVM INCORPORATED..... W511

H

H BECKER - WOODCHUCKW402
 HALE TRAILER BRAKE & WHEEL.....W108
 HEAT SMART/PORTAGE & MAIN W116
 HEATMASTER SS.....W313
 HERDX D116
 HOARD'S DAIRYMAN.....D205
 HOFFMAN IRRIGATION..... EC302
 HOLGANIXW206
 HOMESTEAD IMPLEMENTSW825
 HOOBER INC.....W201
 HOOVER TRACTOR KIOTIW522
 HORIZON FARM CREDIT A101
 HOSTETTER REALTY EC101
 HUBNER SEEDE529
 HURLEY AUCTIONS W119

I

I & J MFGW933
 IBA INC.W921
 INTEGRITY CONSTRUCTION..... EC111
 INTL. HARVESTER COLLECTORSM104
 IRONCRAFTW11-103
 IVA MANUFACTURINGW323

J
 J.S. WOODHOUSEE109
 JAK REAL ESTATEEC402
 JOHN DEEREW519

K

KENCOVE FARM FENCE W10-111
 KEYSTONE CONCRETE PROD.....W919
 KING'S AGRISEEDSE632
 KINGSLEY BLASCO INSUR.....A407
 KIOTI TRACTOR..... E517
 KNG / BLUE SEAL.....L309
 KUBOTA TRACTOR CORP.....E345
 KUHN NORTH AMERICAW622
 KULT KRESS.....W808

L

LANCASTER DHIA L304
 LANCASTER FARMINGA301
 LANCO MFG.....W618
 LANDOLL COMPANYW613
 LANKOTA W221B
 LAWN & GOLF SUPPLYW646
 LAWN CARE DISTRIBUTORSDA109
 LEADER'S FARM
 EQUIPMENT..... W642, DA101
 LEGACY STEEL BUILDINGS W115
 LEIDEN LAND AND CATTLEW852
 LEWIS CATTLE OILERS D114
 LINDE GAS & EQUIP.W120
 LION MOBILE CLINICW805
 LIQUITUBE MARKETINGA310
 LONG ACRES FARMSW804
 LOST CREEK WHOLESALEW918A
 LS TRACTOR USA.....W845

M

MAHINDRA USA..... E536
 MARTIN TILLE115
 MARTIN TRUCK BODIESE301
 MAXWELL TRUCK & EQUIP.W301
 MCFARLANE MFG.....W506
 MD & VA MILK PRODUCERSD207
 MENSCH MFG.....W407
 MESSICK'S.....E215
 METZLER FOREST PRODUCTS A110
 MEYER MANUFACTURING.....W107
 MIDPENN BANK.....A501
 MILLNER-HAUFEN TOOL A113
 MIRACOW11-116
 MORTON BUILDINGS.....E600
 MR. TOOLE100
 MURRAY INSUR. EC102
 MYERS FARM.....W501

N

N. TIER HARDWOOD ASSOC.....J102
 NACHURSA404
 NATIONAL DEER ASSOC.....J204
 NATIONAL FARMERS ORGD206
 NATIONWIDE INSURANCEPFB104
 NELSON & SONS CONCRETE.....L102
 NEW HOLLANDE201
 NEW HOLLAND SUPPLYW111
 NEXTIRE/FORKLIFT TIRE.....W10-104
 NOLTS POWER EQUIP.W408
 NORDEN MFG.....W216
 NORTH CENTRAL SIGHT SVCSDA134
 NORTHEAST AGRI SYSTEMS.....W914
 NORTHEAST CENTER.....HS203
 NUTRIEN AG SOLUTIONSE620

P

PA 4-H -HPAIY307
 PA 4-H YOUTH DEVELOPMENTY101
 PA ASSOC CONSERVATION DIST.....J106
 PA ASSOC OF COUNTY FAIRSA109
 PA BEEF COUNCILA302
 PA BUREAU OF AN. HEALTH &
 DIAG. SERV.PDA112
 PA BUREAU OF FARMLAND
 PRESERV.....PDA102
 PA BUREAU OF FOOD ASSIST.....PDA101
 PA BUREAU OF FOOD SAFETY &
 LAB SERV.....PDA113
 PA BUREAU OF PLANT INDUST.....PDA103
 PA CERTIFIED ORGANICJ309
 PA CHAPT. CONSULT. FORESTERSJ209
 PA CHAPT. OF THE AMER.
 CHESTNUT FDN.....J101
 PA CORN GROWERS ASSOC.....A505
 PA DAIRY PRINCESS &
 PROMOTION.....D201, Y303
 PA DCNR BUREAU OF FORESTRY.....J105
 PA DEPT OF AGRICULTUREM118
 PA DEPT.OF ENVIRONMENTAL
 PROTECTIONJ401

PA EQUINE COUNCIL..... EB501
 PA FARM BUREAU.....E512
 PA FARM LINK.....A412
 PA FB FRIENDS OF AG &
 PROMOTIONSPFB110
 PA FB GOV'T AFFAIRS &
 MEMBER SERV.....PFB119
 PA FB YOUNG PROF. &
 WOMEN LEADERSPFB111
 PA FORAGE & GRASSLAND
 COUNCILJ112
 PA FOREST PRODUCTS ASSOC./SFI...J104
 PA FORESTRY ASSOCIATION.....J103
 PA GAME COMMISSION.....J203
 PA GROUND WATER ASSOC.J405
 PA HARDWOOD DEV. COUNCIL.....W11-100
 PA LICAW221
 PA MILK MARKETING BOARD EC501
 PA NO-TILL ALLIANCE.....CEA14
 PA OFFICE OF RURAL
 HEALTH.....DA136A, HS101
 PA PORK PRODUCERS COUNCIL.....A108
 PA PREFERREDPDA104
 PA PREFERRED ORGANIC.....J413
 PA RABBIT BREEDERS ASSOC.Y306
 PA SBDC AG CTR OF EXCELLENCE.....A411
 PA SHEEP & WOOL GROWERS
 ASSOCD103
 PA SIMMENTAL ASSOCL201
 PA SOYBEAN BOARDA107
 PA STATE GRANGEA402
 PA TREASURY BUREAU OF
 SAVINGSEC509
 PA TURFGRASS COUNCIL.....J110
 PA VEGETABLE GROWERS ASSOC... EC105
 PA VETERAN FARMINGPFB116
 PABODY AGENCYA305
 PARADISE ENERGY SOLUTIONSW908
 PASA SUSTAINABLE AGRICULTURE...J208
 PATZ CORPORATIONE500
 PAUL MUELLER COMPANYD110
 PEAK FORAGE SOLUTIONS.....W10-100
 PEARSON LIVESTOCK EQUIP.....W104
 PENN JERSEY PRODUCTS.....W503
 PENN STATE HEALTHHS206
 PENNAG INDUSTRIES ASSOC.A105
 PENNAG-CTR. POULTRY &
 LIVESTOCKA106
 PENNVESTA506
 PEQUEA MACHINEW555
 PERDUE AGRIBUSINESSA112
 PIK RITEW507
 PINE CREEK SEED FARME623
 PINE HILL MFG/TRAILER.....E513
 PIONEER CORTEVA.....E537
 PIVOT BIOE608
 PLAINDIRECT.COMA114
 PLANETSAVER INDUSTRIES.....L104
 POETTINGER USE110

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Exhibitors and Location

POLY AG.....	L315
PRECAST SYSTEMS	W401
PREMIER TECH WATER & ENVIRON.	W11-104
PREVENTION HEALTH SCREENING	HS102
PRIEFERT RANCH/CLAYCOMB FENCE.....	W512
PRO FLEET CARE	W114
PROFENCE.....	W317
PROGRESSIVE DAIRY.....	E524
PROSSER POWER GROUP	W223
PROVITA ANIMAL HEALTH.....	D203
PSU AG & SHALE LAW CENTER	A509
PSU AG ANALYTICAL SERV. LAB.....	J109
PSU AG AND ENVIRON CENTER	J407
PSU AG SAFETY & HEALTH.....	DA140
PSU AG SCIENCES UNDERGRAD ED.....	C105
PSU AGRABILITY/HEALTH SCREENINGS	DA136B, HS103
PSU BUTTERFLY TENT	W12-112
PSU CLIMATE-SMART: BIODIVERSITY	C303
PSU CTR FOR MATERIAL STUDIES	M119
PSU CTR. FOR AG CONSERV. ASSIST.	CEA06
PSU DEPTS. ANIMAL SCIENCES, VET & BIO MED.....	C101
PSU ENVIR. RESOURCE MGMT.....	J406
PSU EQUINE EXHIB/ BLACKSMITH	W13-115
PSU EQUINE SCIENCE	W13-108, EB106
PSU EXT BEEKEEPER.....	W12-112, YG101
PSU EXT CROP MGMT DISPLAY	CEA05
PSU EXT EXCITE-IMMUNIZATIONS	F204
PSU EXT FFH VECTOR BORNE DISEASE.....	F203
PSU EXT FIELD & FORAGE TEAM.....	J108
PSU EXT FOOD & COOKING DEMO	F206
PSU EXT FOOD SAFETY & PRESERVATION.....	F205
PSU EXT MASTER WELL OWNER NETWORK.....	J404
PSU EXT POLLINATOR BEE RESEARCH.....	C103
PSU EXT WATER RESOURCES	J410
PSU EXT WEED IDENTIFICATION.....	J207
PSU EXT. AG BUSINESS & RISK MGMT.....	A507
PSU EXT. BIOFUELS ENERGY GROUP	J408
PSU EXT. ENERGY & BUSINESS	J200
PSU EXT. FAMILY WELL BEING	F103, F201, F104
PSU EXT. FORESTRY & CTR. for PRIV. FORESTS	J107
PSU EXT. NUTRIENT MGMT.	J307
PSU HAY SHOW.....	J113, J111, J211
PSU MASTER GARDENERS	YG201
PSU ON-FARM RESEARCH.....	J109A
PSU PA ONE STOP	CEA01



PSU PESTICIDE EDUCATION.....	F101
PSU PLANT PATH & ENVIR. MICRO.....	Y104
PSU POTATO RESEARCH	V100
PSU PRESS	M121
PSU SUSTAINABLE AG	J412
PSU YARD & GARDEN DEMO AREA.....	YG104

Q

QUALITY CRAFT TOOLS.....	EC513
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R

RED DRAGON EQUIP	L207
REDBRAND-LIBERTY STEEL & WIRE	EC115
REINECKER AG	D313
REVERE SEED	E627
RHINOAG LLC	E200
RISSEER GRAIN.....	L306
ROC MERGERS	E209
RODALE INSTITUTE	J308
RODMAN DRILL	D113
ROSTECH ELECTRONICS	EC308
ROTO-MIX.....	E108
ROZELL SPRAYER.....	D213
RUDD EQUIPMENT	W824
RURAL COMMUNITY INSUR.	EC109
RYDER SUPPLY CO.	W630

S

S. I. DISTRIBUTING	W212
SALSCO	W127
SAM FISHER AG CURTAINS.....	W10-103A
SAMASZ NA / BM DIST.....	W633
SANYO CHEMICAL AMER.	D310
SCHAEFFER MFG.....	A513
SCHNUPP'S GRAIN ROASTING	L311
SEED CONSULTANTS/CORTEVA	E625
SEEDWAY	E619

SEPPI M. USA.....	W311A
SHADY LANE CURTAINS	W909B
SHAVER'S CREEK TENT (SC).....	W803
SHOUP MFG	A304
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SKYVIEW TRACTOR REPAIRS.....	W305
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SMAXTEC INC	L313
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SNAVELY'S MILL	L205
SOLETRAC	W515
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SOUTHEAST AG EQUIP	W10-124
STAR-DUST ELECTRIC	W902
STEINER HARTMAN	W417
STEIN-WAY EQUIPMENT	W129
STEVEN'S FEED MILL	D316
STOLTZFUS SPREADERS.....	W605
STOR-LOC.....	EC306
SUKUP MANUFACTURING	W412
SUMMIT HILL WELDING.....	W211
SUREPOINT AG SYSTEMS.....	W316A
SUSTAINABLE ENERGY FUND	EC511
SYNGENTA.....	E612

T

T & B MEDICAL	W901
TALLMAN AERIAL SPRAYING	W816
TAM SYSTEMS	E505
THE FERTRELL CO.	D208
THE LANDS AT HILLSIDE FARMS	L203
TIMBERWOLF FIREWOOD PROC EQUIP	W11-132
TORO CO.-TURF EQUIP.....	W900
TRACTORHOUSE/AUCTIONTIME	W828
TRIPLE-HIL SIRES.....	D105
TROOP EQUIPMENT	W422

TWIN CLOVER EQUIP.	E325
TWIN VALLEY FARM SERVICE.....	W403

U

UNVERFERTH MFG.	W614
UPWARD BROADBAND.....	W909A
US ARMY CORPS OF ENGINEERS.....	J302
US EPA.....	J403
US FDA ORA	EC504
USDA APHIS WILDLIFE SERV.	J304
USDA FARM SERVICE	A502, J202
USDA NAT RESOURCES CONSERV.	J205
USDA NAT. AG. STATISTICS SERVICE.....	J201
USDA RURAL DEVELOPMENT.....	A503
USDA-ARS.....	J210

V

VALMETAL USA.....	E313, E317
VERMEER.....	W425
VICTORY THERAP. HORSEMANSHIP.....	EB102

W

WARRIORS MARK FENCING.....	W10-117
WEAVERLINE	W629
WECOVER STRUCTURES	E202B
WEST CENTRAL EQUIP.....	DA122
WESTFIELD GROUP	EC503
WHITETAIL PROP	W10-130A
WINGFIELD MFG	W617

Z

ZARTMAN FARMS	W10-123
ZEISET EQUIPMENT	W11-105
ZEISLOFT FARM EQUIPMENT	E102
ZELTEX.....	D104
ZIMMERMAN FARM SERVICE.....	W500

Building and Tent Maps

(A) Farm Credit Building (West 6th and Main St.)

PLAINDIRECT.COM A114	MILLNER-HAUFEN A113	PERDUE AGRIBUSINESS A112	METZLER FOREST A110	PA ASSOC. COUNTY FAIRS A109	PA PORK PROD. COUNCIL A108	PA SOYBEAN A107	PENNAG POULTRY A106	PENNAG IND. ASSOC. A105	HORIZON FARM CREDIT A101			
BAKER LIME A312		LIQUIDITUBE MARKETING A310	CONKLIN CO A307		PABODY A305	SHOUP MFG A304	PA BEEF COUNCIL A302	LANCASTER FARMING A301				
FARM LINK A412	PA SBDC A411	CORAL REEF PARTNERS A410	CTR. RURAL PA A408	KINGSLEY BLASCO INS. A407	GOODVILLE MUTUAL A405	NACHURS A404	PA STATE GRANGE A402					
SCHAEFFER MFG A513	DAKOTA MICRO A512	BEILER-CAMPBELL A510	PSU AG & SHALE LAW A509	PSU EXT. AG BUSINESS & RISK MGMT. A507			PENNVEST A506	PA CORN GROWERS A505	USDA RURAL DEV. A503	USDA-FSA A502	MID PENN BANK A501	ATM

Main Entrance

Main Street

(EC) Everett Cash Mutual Building (West 6th and Main St.)

REDBRAND EC115	CHRISTIAN FARMERS EC114	CLEAN CUTTER EC112	INTEGRITY CONSTR EC111	RURAL COMMUNITY INSUR. EC109	PA VEG GROWERS EC105	FERTICELL EC104	MURRAY EC102	HOSTETTER REALTY EC101
ABILENE MACHINE EC311	EPHRATA NATIONAL EC310	ROSTECH ELECTRONICS EC308	STOR-LOC EC306	BUSINESS LEASE CONSULT. EC305	A.M. LOGGING EC303	HOFFMAN IRRIGATION EC302	EVERETT CASH MUTUAL EC201	
AGRA GPS EC411	BIGIRON AUCTIONS EC410	GRO-MOR PLANT FOOD CO. EC408	CLEANFIX NA EC406	BAD DOG TOOLS EC405	FULTON BANK NA EC403	JAK REAL ESTATE EC402	EVERETT CASH MUTUAL EC401	
QUALITY TOOLS EC513	SUSTAINABLE ENERGY FUND EC511	CTR FOR BEEF EXC EC510	PA TREAS. BUREAU OF SAVING EC509	AMERICAN NATIONAL EC506		US FDA ORA EC504	WESTFIELD GROUP EC503	PA MILK MARKETING EC501

Main Entrance

Main Street

Building and Tent Maps

(J) J. D. Harrington Building (Harrington Lane and E. 5th)

Harrington Lane	PA CHAPT. OF THE AMER. CHESTNUT	N. TIER HARDWOOD	PA FORESTRY	PA FOREST PRODUCTS	PA DCNR FORESTRY	PA CONSERV. DIST.	PSU FORESTRY EXT	PSU EXT. FORAGE ON -FARM	PSU ON-FARM RESERACH	PSU AG ANALYTICAL LAB	PA TURFGRASS COUNCIL	HAY SHOW	PA FORAGE & GRASS	HAY SHOW
	J101	J102	J103	J104	J105	J106	J107	J108	J109A	J109	J110	J111	J112	J113
												HAY SHOW J211		
	PSU EXT. ENERGY BUS.	USDA-NASS	USDA-FSA	PA GAME COMMISS.	NATIONAL DEER ASSOC.	USDA-NRCS	PSU EXT. WEED ID	PASA SUSTAINAB LE AG	PA CHAPT. CONSULT. FORESTERS	USDA-ARS				
J200	J201	J202	J203	J204	J205	J207	J208	J209						
CHESAPEAKE BAY FOUNDAT.		U.S. ARMY CORPS OF ENGIN.		USDA APHIS		PSU EXT. NUTR. MGMT.	RODALE INSTITUTE	PA CERTIF. ORGANIC	J307	J308	J309	J210		
PA DEP	US EPA		PSU MASTER WELL NTWK	PA GROUND WATER ASSOC.	PSU ERSM	PSU AEC	PSU BIOFUELS & ENERGY		PSU WATER RESOURCE		PSU SUSTAIN. AG	PA PREFERRED		
J401	J403	J404	J405	J406	J407	J408	J410	J412	J413					
Entrance Maze Entrance														

W 12th Street

(D) Dairy and Livestock Tent #1 (West 12th St.)

DEEP VALLEY	HERDEX	LEWIS CATTLE OILERS	RODMAN DRILL	P.MUELLER	VENT	AMER. ANGUS ASSOC.	CTR. DAIRY EXCELLENCE	TRIPLE HILL SIRES	ZELTEX	PA SHEEP & WOOL	AGRI-TRAC
D118	D116	D114	D113	D110		D107	D106	D105	D104	D103	D101
CATA	ROZELL SPRAYER	BW FUSION		THE FERTRELL	MD & VA MILK PROD.	NAT. FARMERS	HOARD'S DAIRY	PROVITA	DAIRY PRINCESS & PROMOTION		
D214	D213	D211	D208	D207	D206	D205	D203	D201			
COUNTRY FOLKS	STEVENS FEED MILL	REINECKER AG		GAPS ECO-SYS	SANYO CHEMICAL	AGRI-DOOR	DAIRY ONE	FISHER & THOMPSON	AAA WEEKS		
D317	D316	D313	D311	D310	D306	D305	D303	D301			

Main Entrance

Main Street

(L) Dairy and Livestock Tent #2 (West 13th St.)

FEEDWORKS		FARMERS BUSINES	CALLI-CRATE	AGRI SPRAY			PLANETS AVER	NELSON & SONS	DBC AG PROD.		
L113	L112	L109	L106	L104	L102	L101					
FOOD BANK	ACRES	CHAMPION	RED DRAGON	SNAVEL'S MILL	THE LANDS AT HILLSIDE	PA SIMMENTAL					
L210	L209	L208	L207	L205	L203	L201					
POLY AG	SMAXTEC	SCHNUPP'S GRAIN	AXIOTA ANIMAL	KENT NUTRITION	RISSER GRAIN	LANCASTER DHIA	AGRI-NUTRIT. CONSULTING				
L315	L313	L311	L310	L309	L306	L304	L301				

Main Entrance

Main Street

W 13th Street

Tours


Hands-on tours highlight various aspects of agriculture. Get a free ticket and board the bus at the tour registration and loading area at the top of Main Street. There are a limited number of tickets available per tour, so stop by early to reserve your seat.

<p>NEW TOUR Open Field and High Tunnel Organic Vegetable Production Research Tour <i>(1 hour)</i></p>	<p>This tour features ongoing research on the sustainable management of soil health and soilborne pests and pathogens in open field and high tunnel vegetable production systems. Participants will visit open field and high tunnel fresh-market tomato research plots and will learn about: 1) advantages and challenges associated with the use of high tunnels compared to open field production; 2) organic vegetable production systems and associated opportunities and challenges; 3) soil health and Anaerobic Soil Disinfestation an innovative biological solution for the management of soilborne pests and pathogens. Members of research and Extension teams will lead the tour and will be available to answer questions.</p> <p>Bus leaves Tuesday at 3:00 p.m.; Wednesday at 9:00 a.m.; and Thursday at 3:00 p.m.</p> <p>Note: Walking on uneven soil and standing involved. No restrooms available</p>
<p>Managing Livestock Pastures with Alternative Forages <i>(1.5 hours)</i></p>	<p>This tour features hands-on activities with cattle on pastures. Producers will leave with an understanding of paddock fencing and watering system components, with in-depth discussion about evaluation of diverse cover crop mixes including rooting structure and soil health indicators. High stock density grazing will be demonstrated with a small herd of Angus cattle, and we'll talk about the use of alternative forages for pasture production. We'll also talk about soil health principles for both cropping and livestock operations with various tabletop demos and show how annual forages can be used to renovate a degraded pasture without doing any tillage.</p> <p>Bus leaves Tuesday at 12:30 p.m. and 2:30 p.m.; Wednesday at 10:30 a.m., 12:30 p.m. and 2:30 p.m.; and Thursday at 10:30 a.m. and 12:30 p.m.</p> <p>Note: No restrooms available; walking/standing involved; accessible from the grounds by walking.</p>
<p>Managing Equine Pastures and Drylots <i>(1.5 hours)</i></p>	<p>This tour features hands-on activities with horses on pastures. Producers will gain an understanding of improved pasture management for horses, "do's and don'ts" of sacrifice areas, and hear about tools needed to help improve equine operations. We'll walk through the fields and talk about grass and weed identification, innovative pasture methods, and dry lot design for horses on limited acreage at the demonstration site.</p> <p>Bus leaves Tuesday at 12:30 p.m. and 2:30 p.m.; Wednesday at 10:30 a.m., 12:30 p.m. and 2:30 p.m.; and Thursday at 10:30 a.m. and 12:30 p.m.</p> <p>Note: No restrooms available; walking/standing involved; accessible from the grounds by walking.</p>
<p>Multifunctional Stream Buffers and Native Grass Field Tour <i>(1 hour)</i></p>	<p>This tour focuses on the importance of planting and maintaining trees and shrubs to create a multifunctional stream buffer that will improve water quality, wildlife habitat, livestock health, property value, and provide edible or medicinal plants. You will learn about the 3 P's of tree establishment-Preparation, Planting, and Protection-to increase tree survival and reduce competition from invasive weeds. See demonstration livestock practices such as fencing and stream crossings and learn about financial assistance programs available. See and learn how to plant native grass fields to increase sustainability and help declining pollinators and beneficial insects.</p> <p>Bus leaves daily Tuesday at 9:00 a.m. and 1:00 p.m.; Wednesday: 9:00 a.m. and 3:00 p.m.; and Thursday: 9:00 a.m. and 1:00 p.m.</p> <p>Note: Walking and standing involved. No restrooms available.</p>
<p>Forest Management, Water, Woods, and Wildlife Tour <i>(1.5 hours)</i></p>	<p>Forests and Wildlife is the featured topic for this year's tour. There's lots to learn about the creatures in Penn's Woods. Forestry and wildlife, and water professionals will lead the interactive tours and be on hand to answer your questions and connect you with more resources about wildlife and habitat management.</p> <p>Bus leaves daily Tuesday at 9:00 a.m. and 1:00 p.m.; Wednesday: 9:00 a.m. and 3:00 p.m.; and Thursday: 9:00 a.m. and 1:00 p.m.</p> <p>Note: Walking on trails over uneven terrain/standing involved. No restrooms available.</p>
<p>Animal Research Tours: Finishing Crossbred Beef x Dairy Cattle and American Berkshire Assoc. Progeny Swine <i>(1 hour)</i></p>	<p>Beef x Dairy Cattle Tour: This tour will cover the definition of beef X dairy calves and the current marketplace for those cattle. The tour will include a visual observation of a load of crossbred beef X dairy steers, from Charolais, Angus, and Waygu sires, being finished at the PA Department of Agriculture's Livestock Evaluation Center.</p> <p>Berk Association Swine Tour: This tour will lead participants through a window tour of the remodeled swine facilities, overview modern aspects of a swine production operation and discuss the goals of the American Berkshire Association Progeny Test.</p> <p>Bus leaves at Tuesday at 2:00 p.m.; Wednesday at 10:00 a.m., 12:00 p.m., and 2:00 p.m.; and Thursday at 10:00 a.m.</p> <p>Note: Walking/standing are involved; restrooms will be available.</p>
<p>Russell Larson Research Facilities Farm Tour <i>(1.5 hours)</i></p>	<p>This tour will visit each of the University Research Farms at Rock Springs Facility. Farm Managers will present a brief overview of the farm history, current research and student involvement as well as answer participant questions.</p> <p>Bus leaves Tuesday at 9:30 a.m. and 12:00 p.m.; Wednesday: 9:30 a.m., 12:00 p.m., and 2:00 p.m.; and Thursday: 9:30 a.m. and 12:00 p.m.</p> <p>Note: Minimal Walking involved. No restrooms will be available.</p>

Ag Progress Days Area Map



View Online: <https://agsci.psu.edu/apd/maps>

Click the Maps Icon  on the toolbar in the upper right corner then select bldg/tent you wish to view

Kubota

John Deere

GATE J

MR. TOOL E100	ZEISLOFT E102	CDL USA E106A	CPI E106B	ROTO-MIX E108	POETTINGER US E110	AGRITEER E118
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E 1 STREET

RHINO AG E200	CLEVELAND BROTHERS E105	JS WOODHOUSE E109	MARTIN TILL E115	AGRITEER E117
	WESCOVER STRUCT E202B			



E 2 STREET

NEW HOLLAND E201	ROC MERGERS E209	CROWN ROYAL E211 DOTTERER EQUIP E316	MESSICKS E215
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FORSHEY'S AG H101 DION-AG H103

E 3 STREET

MARTIN TRUCK E301	VALMETAL USA E313	VALMETAL USA E317	AUTOMATIC FARM SYSTM E321	TWIN CLOVER EQUIP. E325	KUBOTA TRACTOR E345
PATZ E500	PENNSYLVANIA FARM BUREAU E512	(G) EXHIBIT BLDG #2 CHEM GRO E520	PROGRESSIVE DAIRY E524	CEDAR CREST E528	MAHINDRA NA E536



HARRINGTON LANE

POLLINATOR GARDEN & GRASSES PLOT	PSU CTR AG CONS ASST CEA06	NRCS HEAVY USE AREA AND SOIL PIT DISPLAY
PSU PA ONE STOP CEA01	PENN STATE CROP MGMT CEA05	
ERNST SEEDS CEA11	CITIZENS FOR PA FUTURE CEA13	PA NO-TILL CEA14

E 5 STREET

TAM SYSTEMS E505	PINE HILL MFG E513	KIOTI TRACTOR E517	CLOVER-DALE EQUIP E525	HUBNER SEED E529	CORTEVA/ PIONEER E537
ANTIQUE TRACTOR M101	PIVOT BIO	SYNGENTA	1ST CHOICE	NUTRIEN AG SOL.	KING'S AGRISEEDS
MORTON BLDG E600				GROWMARK FS/DEKALB E624	

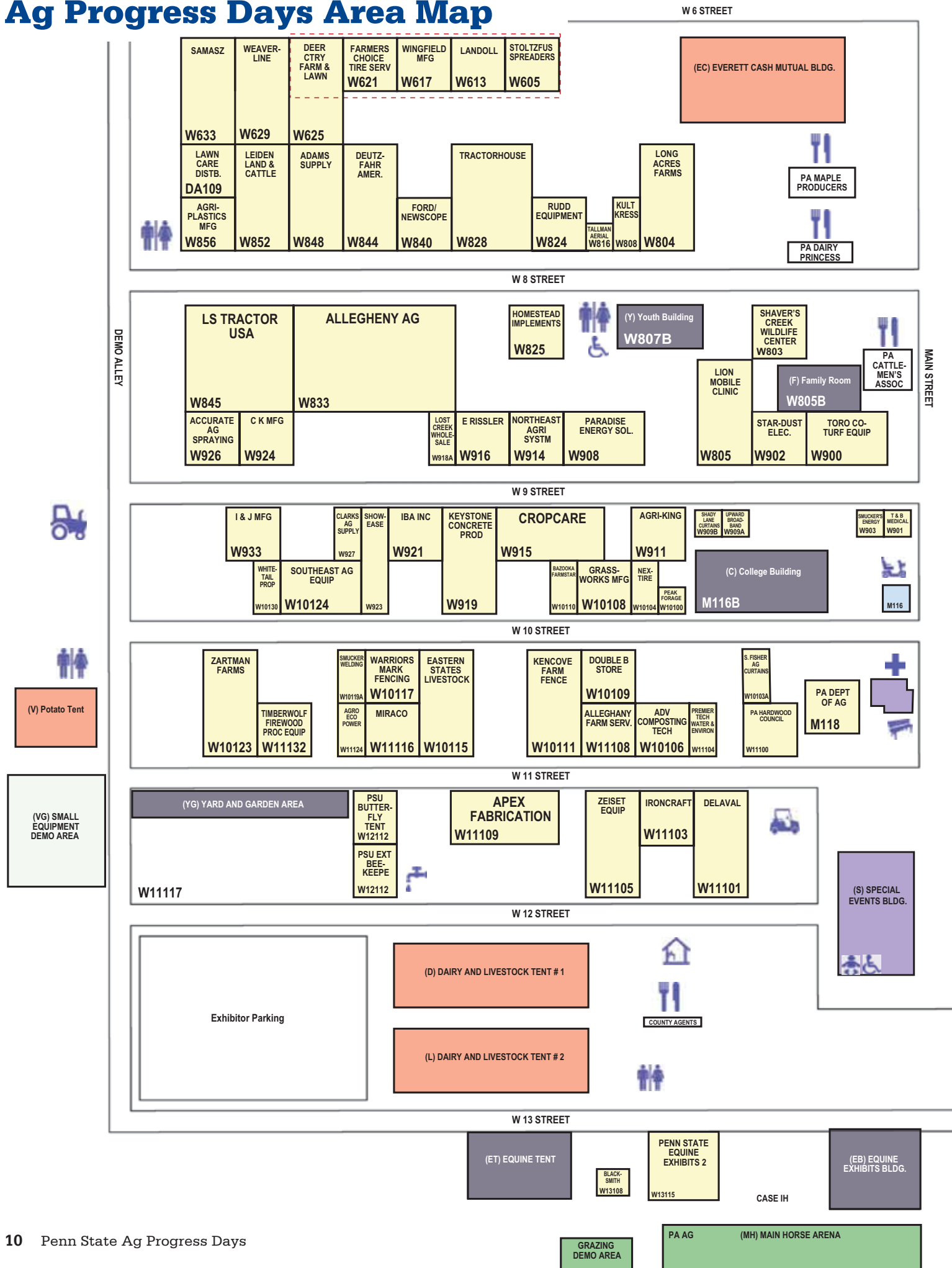
(J) JOSEPH D. HARRINGTON BLDG.
(CM) CORN MAZE

E 6 STREET






















Map Legend on page 11

Ag Progress Days Area Map





Map Legend

	Commercial Indoor Exhibits		ATM		Loading Dock
	College Exhibits		Baby Changing/Nursing Station		Lost & Found
	College Buildings		Bus Tour		Mobility Scooter Rental
	Demo Areas		Courtesy Golf Carts		Parcel Pickup
	Available Exhibitor Space		Equipment Demo		Pump House
	Reserved Exhibitor Space		First Aid		Rest Area
	Confirmed Exhibitor Space		Food Vendor		Rest Room
	Non-Electrical Areas		Information Booth		Water

Daily Schedule

Tuesday, August 8–Thursday, August 10

Locations Abbreviation Key for Exhibits
can be found on page 2 of this program

Start Time	Event Title	Focus	Location
ALL DAY	Antique Tractor Display	Farm and Business	AT
	Hay Show Display and Contest	Crops, Forage, Hay and Soil	JDH
	Corn Maze	Youth and Family	CM
	Assistive Technology Demonstrations	Healthy Lifestyle	HS
	Shaver's Creek Tent: Give You a Close Look at Native Pennsylvania Wildlife Species	Animals and Wildlife	SC
	"Ask a Master Gardener" Table	Home, Lawn and Garden	YG
	Demonstration Garden Walks hosted by Centre Co. Master Gardeners	Home, Lawn and Garden	YG
	Youth Activities and Butterfly House	Home, Lawn and Garden	YG
	Spotted Lanternfly Education	Invasive Species Impact	YG
	High Pathogen Avian Influenza (HPAI) Egg-scape	Invasive Species Impact	Y
	Governor's Youth Council on Hunting, Fishing, and Conservation	Energy and Natural Resources	Y
	Pennsylvania 4-H Programs	Youth and Family	Y
	PA Dairy Princess and Promotion — Dairy Nutrition and Facts	Youth and Family	Y
	PSU Plant Pathology — Plants Get Sick Too!	Youth and Family	Y
PA State Rabbit Breeder's Association	Youth and Family	Y	

Tuesday, August 8

9:00 a.m.	Free Blood Pressure Readings (9am–3pm)	Healthy Lifestyle	HS
	Free Vision Screenings (9am–3pm)	Healthy Lifestyle	HS
	Free Carotid Artery Assessments (9am–3pm)	Healthy Lifestyle	HS
	Free Liver Screenings (9am–3pm)	Healthy Lifestyle	HS
	Forest Management Tour: Water, Woods and Wildlife	Wildlife	T
9:30 a.m.	Russell Larson Research Farm Tours	Farm and Business	T
10:00 a.m.	ATV Safety Demo	Ag Safety and Health	SD
	Solar on the Farm: What it is and How it Works	Energy and Natural Resources	FF
	Apple Pancakes	Cooking and Food Safety	F
	Demonstration and Tour: Water Wellhead Safety	Water Resources	JDH
	Plant Breeding for Home Gardeners	Home, Lawn and Garden	YG
	Cornhole Tournament — Register 30 min. prior to start	Youth and Family	PFB

Tuesday, August 8

Locations Abbreviation Key for Exhibits can be found on page 2 of this program

Start Time	Event Title	Focus	Location
10:30 a.m.	Update on the Credit Market for Solar and Renewables	Energy and Natural Resources	FF
	Understanding the Diversity, Distribution, and Abundance of Wild Bee Pollinators	Agriculture	CT
	Hay Mowing and Tedding	Crops, Forage, Hay and Soil	ED
	Bear Hill Horse Logging	Equine	MH
	Town Hall Session with College of Ag Sciences Dean Rick Roush and PA Department of Ag Secretary Russell Redding	Farm and Business	RB
11:00 a.m.	UAV/Drone Usage and Safety Demo	Ag Safety and Health	SD
	Standalone Solar: Systems for Remote Locations	Energy and Natural Resources	FF
	PA State Police Mounted Patrol	Equine	MH
	Avian Flu Updates	Poultry and Animal Health	CT
	Flower Arranging	Home, Lawn and Garden	YG
11:30 a.m.	Making Solar Work for Farms in PA	Energy and Natural Resources	FF
	Draft Horse Hitch, Spring Mount Percherons	Equine	MH
	Tomatoes/Salsa Let's Preserve Water Bath Canning	Cooking and Food Safety	F
	Pesticide Storage, Security, and Transportation	Ag Safety and Health	HS
	Multifunctional Stream Buffers and Native Grass Field Tour	Energy and Natural Resources	T
	Kid's Tractor Pull — Age Groups: 4 & under, ages 5 & 6, ages 7 & 8	Youth and Family	PFB
11:45 a.m.	Cover Crop /Planting Green Demo	Crops, Forage, Hay, and Soils	ED
12:00 p.m.	ATV Safety Demo	Ag Safety and Health	SD
	Penn State Ag Alumni Ice Cream Social	Youth and Family	P
	Russell Larson Research Farm Tours	Farm and Business	T
12:30 p.m.	Silage Chopping and Bagging	Crops, Forage, Hay and Soil	ED
	Managing Equine Pastures and Drylots	Crops, Forage, Hay and Soil	T
	Managing Livestock Pastures with Alternative Forages	Crops, Forage, Hay and Soil	T

Daily Schedule Locations

From Main Street:

- E. 5th St.:** AT-Antique Tractors and PFB Bldg.
- E. 9th St.:** FF-American National Learning Center
- W. 8th St.:** SC-Shaver's Creek Tent and Y-Youth Bldg.
- W. 9th St.:** F-Family Bldg., Cooking Demonstration Theater, and Healthy Lifestyles Presentations

W. 10th St.: C-College Exhibits Bldg. or CT- Theater, and PDA Bldg.

11th St.: P-Pasto Museum, RB-Red Barn Annex Meeting Rooms, S-Special Events Bldg., and T-Tours

W. 13th: EB-Equine Exhibit Bldg. and MH-Main Horse Arena

Beside the Harrington Bldg. end of E. 5th St:

CEA-Conservation Exhibit Area, CM-Corn Maze, CC-Cover Crops, and J-J.D. Harrington Bldg.

From Demo Alley:

W. 6th St.: HS-Health and Safety Tent and SD-Ag Farm Safety and Drone Demo

W. 11th St.: YG-Yard and Garden Area and Master Gardeners

W. 9th-11th Streets: V-Potato and Small Equipment Demonstration Area

Tuesday, August 8

Locations Abbreviation Key for Exhibits
can be found on page 2 of this program

Start Time	Event Title	Focus	Location
1:00 p.m.	Soil Organic Matter and Cover Crop-Based Nitrogen Recommendations for Corn	Crops, Forage, Hay and Soil	FF
	Tick Repellent Demonstration	Invasive Species Impact	F
	4H Team Horse Power	Equine	MH
	PA Department of Agriculture, Discussion on Growing the Next Generation of Leaders in PA Agriculture	Farm and Business	RB
	Forest Management Tour: Water, Woods and Wildlife	Wildlife	T
	Growing Vegetables in Containers	Home, Lawn and Garden	YG
1:30 p.m.	Exploring Learning Performance and Reproductive Success in Farmland Songbirds	Energy and Natural Resources	CT
	Pesticide Spills Happen — What should you do?	Ag Safety and Health	HS
	Cornhole Tournament — Register 30 min. prior to start	Youth and Family	PFB
2:00 p.m.	UAV/Drone Usage and Safety Demo	Ag Safety and Health	SD
	Spotted Lanternfly Research Updates	Agriculture	CT
	PA State Police Mounted Patrol	Equine	MH
	Finishing Crossbred Beef X Dairy Cattle and Amer. Berkshire Assoc. Prog, Swine	Livestock	T
	Grow Herbs	Home, Lawn and Garden	YG
2:15 p.m.	Hay Raking, Baling, and Bale Handling	Crops, Forage, Hay and Soil	ED
2:30 p.m.	Bacteria Township: An Exploration of the Microbial Communities Living in PA Soils	Energy and Natural Resources	CT
	Crunchy Thai and Quinoa Salad	Cooking and Food Safety	F
	Gaited Horse Demo	Equine	MH
	Managing Equine Pastures and Drylots	Crops, Forage, Hay and Soil	T
	Managing Livestock Pastures with Alternative Forages	Crops, Forage, Hay and Soil	T
3:00 p.m.	Handling and Training a Young Horse	Equine	MH
	Open Field and High Tunnel Organic Vegetable Production Research	Crops, Forage, Hay and Soil	T
	Composting 101	Home, Lawn and Garden	YG
	Kid's Tractor Pull — Age Groups: 4 & under, ages 5 & 6, ages 7 & 8	Youth and Family	PFB
3:30 p.m.	Bear Hill Horse Logging	Equine	MH
	Pollinator Walk and Talk	Home, Lawn and Garden	YG
4:00 p.m.	The Importance of Suicide Prevention Education	Health Lifestyle	F

Wednesday, August 9

Locations Abbreviation Key for Exhibits can be found on page 2 of this program

Start Time	Event Title	Focus	Location
9:00 a.m.	Free Blood Pressure Readings (9am–3pm)	Healthy Lifestyle	HS
	Free Carotid Artery Assessments (9am–3pm)	Healthy Lifestyle	HS
	Free Vision Screenings (9am–3pm)	Healthy Lifestyle	HS
	Free Liver Screenings (9am–3pm)	Healthy Lifestyle	HS
	Open Field and High Tunnel Organic Vegetable Production Research	Crops, Forage, Hay and Soil	T
	Forest Management Tour: Water, Woods and Wildlife	Wildlife	T
9:30 a.m.	Russell Larson Research Farm Tours	Farm and Business	T
10:00 a.m.	Persian-Style Grilled Vegetables	Cooking and Food Safety	F
	Demonstration and Tour: Water Wellhead Safety	Water Resources	JDH
	Bear Hill Horse Logging	Equine	MH
	Joint Informational Meeting of the PA House and Senate Agriculture and Rural Affairs Committees on the 2023 Federal Farm Bill	Farm and Business	RB
	Finishing Crossbred Beef X Dairy Cattle and Amer. Berkshire Assoc. Prog, Swine	Livestock	T
	Plant Breeding for Home Gardeners	Home, Lawn and Garden	YG
	Cornhole Tournament — Register 30 min. prior to start	Youth and Family	PFB
10:30 a.m.	Understanding the Diversity, Distribution, and Abundance of Wild Bee Pollinators	Energy and Natural Resources	CT
	Hay Mowing and Tedding	Crops, Forage, Hay and Soil	ED
	Paso Fino Horses	Equine	MH
	Managing Equine Pastures and Drylots	Crops, Forage, Hay and Soil	T
	Managing Livestock Pastures with Alternative Forages	Crops, Forage, Hay and Soil	T
11:00 a.m.	Ag Rescue Demonstration: Power-Take Off Entanglement	Ag Safety and Health	SD
	Smart Choice Smart Use Health Insurance Literacy Overview	Health Lifestyle	F
	Avian Flu Updates	Poultry and Animal Health	CT
	Composting 101	Home, Lawn and Garden	YG

Daily Schedule Locations

From Main Street:

E. 5th St.: AT-Antique Tractors and PFB Bldg.

E. 9th St.: FF-American National Learning Center

W. 8th St.: SC-Shaver's Creek Tent and Y-Youth Bldg.

W. 9th St.: F-Family Bldg., Cooking Demonstration Theater, and Healthy Lifestyles Presentations

W. 10th St.: C-College Exhibits Bldg. or CT- Theater, and PDA Bldg.

11th St.: P-Pasto Museum, RB-Red Barn Annex Meeting Rooms, S-Special Events Bldg., and T-Tours

W. 13th: EB-Equine Exhibit Bldg. and MH-Main Horse Arena

Beside the Harrington Bldg. end of E. 5th St:

CEA-Conservation Exhibit Area, CM-Corn Maze, CC-Cover Crops, and J-J.D. Harrington Bldg.

From Demo Alley:

W. 6th St.: HS-Health and Safety Tent and SD-Ag Farm Safety and Drone Demo

W. 11th St.: YG-Yard and Garden Area and Master Gardeners

W. 9th–11th Streets: V-Potato and Small Equipment Demonstration Area

Wednesday, August 9

Locations Abbreviation Key for Exhibits
can be found on page 2 of this program

Start Time	Event Title	Focus	Location
11:30 a.m.	Soil Health & Soil Microbes, Panel Discussion and Q & A with Ag Scientists	Food, Health, and Safety	CT
	Miniature Horses Capital Area Therapeutic Riding Assoc. Youth Ambassadors	Equine	MH
	Pesticide Storage, Security, and Transportation	Ag Safety and Health	HS
	Multifunctional Stream Buffers and Native Grass Field Tour	Energy and Natural Resources	T
	Kid's Tractor Pull — Age Groups: 4 & under, ages 5 & 6, ages 7 & 8	Youth and Family	PFB
11:45 a.m.	Cover Crop /Planting Green Demo	Crops, Forage, Hay and Soil	ED
12:00 p.m.	Spotted Lanternfly Updates	Invasive Species Impact	CT
	DWD Broccoli Salad	Cooking and Food Safety	F
	Finishing Crossbred Beef X Dairy Cattle and Amer. Berkshire Assoc. Prog, Swine	Livestock	T
	Russell Larson Research Farm Tours	Farm and Business	T
12:30 p.m.	Crossbreeding Sheep or Goats for Improved Performance	Poultry and Animal Health	CT
	Silage Chopping and Bagging	Crops, Forage, Hay and Soil	ED
	Keystone Dressage and Combined Training Drill Team	Equine	MH
	Managing Equine Pastures and Drylots	Crops, Forage, Hay and Soil	T
	Managing Livestock Pastures with Alternative Forages	Crops, Forage, Hay and Soil	T
1:00 p.m.	Ag Rescue Demonstration: Power-Take Off Entanglement	Ag Safety and Health	SD
	Soil Organic Matter and Cover Crop-Based Nitrogen Recommendations for Corn	Crops, Forage, Hay and Soil	FF
	Tick Talk	Invasive Species Impact	F
	Draft Horse Hitch, Spring Mount Percherons	Equine	MH
	PA Small Business Development Ag Center Seminars	Farm and Business	RB
	Growing Vegetables in Containers	Home, Lawn and Garden	YG
1:30 p.m.	Pesticide Spills Happen — What should you do?	Ag Safety and Health	HS
	Cornhole Tournament — Register 30 min. prior to start	Youth and Family	PFB
2:00 p.m.	Updates from Rep. Glenn “GT” Thompson, Chair U.S. House Committee on Agriculture	Farm and Business	CT
	Quick Dill Pickles, Let's Preserve Water Bath Canning	Cooking and Food Safety	F
	Paso Fino Horses	Equine	MH
	Russell Larson Research Farm Tours	Farm and Business	T
	Grow Herbs	Home, Lawn and Garden	YG
2:15 p.m.	Hay Raking, Baling, and Bale Handling	Crops, Forage, Hay and Soil	ED
2:30 p.m.	Managing Equine Pastures and Drylots	Crops, Forage, Hay and Soil	T
	Managing Livestock Pastures with Alternative Forages	Crops, Forage, Hay and Soil	T

Wednesday, August 9

Locations Abbreviation Key for Exhibits
can be found on page 2 of this program

Start Time	Event Title	Focus	Location
3:00 p.m.	Penn State Dermatology: Skin Cancer and Sun Safety	Health Lifestyle	F
	Bear Hill Horse Logging	Equine	MH
	Forest Management Tour: Water, Woods and Wildlife	Wildlife	T
	Flower Arranging	Home, Lawn and Garden	YG
	Kid's Tractor Pull — Age Groups: 4 & under, ages 5 & 6, ages 7 & 8	Youth and Family	PFB
3:30 p.m.	Miniature Horses Capital Area Therapeutic Riding Assoc. Youth Ambassadors	Equine	MH
4:00 p.m.	Ginger Lime Watermelon Salad	Cooking and Food Safety	F
	Get Down and Dirty with Soil	Home, Lawn and Garden	YG
4:30 p.m.	Keystone Dressage and Combined Training Drill Team	Equine	MH
5:00 p.m.	Thrive Parenting Program Overview	Health Lifestyle	F
	Skin Cancer Screening Clinic — Lion Mobile Clinic behind Family Bldg.	Health Lifestyle	F
6:00 p.m.	Equine Extravaganza: Salute to America/Mini Jumping Derby/Draft Horse Hitch	Equine	MH

Thursday, August 10

9:00 a.m.	4-H Equine Quiz Bowl	Equine	EB
	Free Carotid Artery Assessments (9am–3pm)	Healthy Lifestyle	HS
	Assistive Technology Demonstrations	Healthy Lifestyle	HS
	Free Blood Pressure Readings (9am–3pm)	Healthy Lifestyle	HS
	Free Vision Screenings (9am–3pm)	Healthy Lifestyle	HS
	Free Liver Screenings (9am–3pm)	Healthy Lifestyle	HS
	Forest Management Tour: Water, Woods and Wildlife	Wildlife	T
9:30 a.m.	Russell Larson Research Farm Tours	Farm and Business	T
10:00 a.m. <i>continued on next page</i>	ATV Safety Demo	Ag Safety and Health	SD
	Century Farm Awards Presentations	Agriculture	FF
	Current Projects and Facts About Bee Nutrition, Grozinger Lab Research Updates	Energy and Natural Resources	CT
	Strawberry Jam Let's Preserve Water Bath Canning	Cooking and Food Safety	F

Daily Schedule Locations

From Main Street:

E. 5th St.: AT-Antique Tractors and PFB Bldg.

E. 9th St.: FF-American National Learning Center

W. 8th St.: SC-Shaver's Creek Tent and Y-Youth Bldg.

W. 9th St.: F-Family Bldg., Cooking Demonstration Theater, and Healthy Lifestyles Presentations

W. 10th St.: C-College Exhibits Bldg. or CT- Theater, and PDA Bldg.

11th St.: P-Pasto Museum, RB-Red Barn Annex Meeting Rooms, S-Special Events Bldg., and T-Tours

W. 13th: EB-Equine Exhibit Bldg. and MH-Main Horse Arena

Beside the Harrington Bldg. end of E. 5th St:

CEA-Conservation Exhibit Area, CM-Corn Maze, CC-Cover Crops, and J-J.D. Harrington Bldg.

From Demo Alley:

W. 6th St.: HS-Health and Safety Tent and SD-Ag Farm Safety and Drone Demo

W. 11th St.: YG-Yard and Garden Area and Master Gardeners

W. 9th–11th Streets: V-Potato and Small Equipment Demonstration Area

Thursday, August 10

Locations Abbreviation Key for Exhibits
can be found on page 2 of this program

Start Time	Event Title	Focus	Location
10:00 a.m. <i>continued</i>	Demonstration and Tour: Water Wellhead Safety	Water Resources	JDH
	Handling and Training the Young Horse, Penn State	Equine	MH
	Finishing Crossbred Beef X Dairy Cattle and Amer. Berkshire Assoc. Prog, Swine	Livestock	T
	Top Ten Garden Myths and Misconceptions	Home, Lawn and Garden	YG
10:30 a.m.	Understanding the Diversity, Distribution, and Abundance of Wild Bee Pollinators	Energy and Natural Resources	CT
	Hay Mowing and Tedding	Crops, Forage, Hay and Soil	ED
	Managing Equine Pastures and Drylots	Crops, Forage, Hay and Soil	T
	Managing Livestock Pastures with Alternative Forages	Crops, Forage, Hay and Soil	T
11:00 a.m.	UAV/Drone Usage and Safety Demo	Ag Safety and Health	SD
	Avoiding Death and Disease in Pet Poultry and Backyard Flocks	Poultry and Animal Health	CT
	Bear Hill Horse Logging	Equine	MH
	Building a Raised Garden Bed	Home, Lawn and Garden	YG
11:30 a.m.	Mediterranean Chickpea Salad	Cooking and Food Safety	F
	Draft Horse Hitch, Spring Mount Percherons	Equine	MH
	Pesticide Storage, Security, and Transportation	Ag Safety and Health	HS
	Multifunctional Stream Buffers and Native Grass Field Tour	Energy and Natural Resources	T
	Kid's Tractor Pull — Age Groups: 4 & under, ages 5 & 6, ages 7 & 8	Youth and Family	PFB
11:45 a.m.	Cover Crop /Planting Green Demo	Crops, Forage, Hay and Soil	ED
12:00 p.m.	ATV Safety Demo	Ag Safety and Health	SD
	Avian Flu Updates	Poultry and Animal Health	CT
	Russell Larson Research Farm Tours	Farm and Business	T
12:30 p.m.	Spotted Lanternfly Predators	Poultry and Animal Health	CT
	Silage Chopping and Bagging	Crops, Forage, Hay and Soil	ED
	Managing Equine Pastures and Drylots	Crops, Forage, Hay and Soil	T
	Managing Livestock Pastures with Alternative Forages	Crops, Forage, Hay and Soil	T
1:00 p.m.	Penn State Pullers Quarter Scale Tractor Team	Ag Safety and Health	SD
	Soil Organic Matter and Cover Crop-Based Nitrogen Recommendations for Corn	Crops, Forage, Hay and Soil	FF
	Mental Health First Aid	Health Lifestyle	F
	Gaited Horse Demo	Equine	MH
	Forest Management Tour: Water, Woods and Wildlife	Wildlife	T
	Get Down and Dirty with Soil	Home, Lawn and Garden	YG

Thursday, August 10

Locations Abbreviation Key for Exhibits can be found on page 2 of this program

Start Time	Event Title	Focus	Location
1:30 p.m.	4H Team Horse Power, Penn State	Equine	MH
	Pesticide Spills Happen — What should you do?	Ag Safety and Health	HS
2:00 p.m.	Demonstration: UAV/Drone Usage and Safety	Ag Safety and Health	SD
2:15 p.m.	Hay Raking, Baling, and Bale Handling	Crops, Forage, Hay and Soil	ED
2:30 p.m.	Bear Hill Horse Logging	Equine	MH
3:00 p.m.	Open Field and High Tunnel Organic Vegetable Production Research	Agriculture	T

Daily Schedule Locations

From Main Street:

- E. 5th St.:** AT-Antique Tractors and PFB Bldg.
- E. 9th St.:** FF-American National Learning Center
- W. 8th St.:** SC-Shaver's Creek Tent and Y-Youth Bldg.
- W. 9th St.:** F-Family Bldg., Cooking Demonstration Theater, and Healthy Lifestyles Presentations

- W. 10th St.:** C-College Exhibits Bldg. or CT- Theater, and PDA Bldg.
- 11th St.:** P-Pasto Museum, RB-Red Barn Annex Meeting Rooms, S-Special Events Bldg., and T-Tours
- W. 13th:** EB-Equine Exhibit Bldg. and MH-Main Horse Arena

Beside the Harrington Bldg. end of E. 5th St.:

CEA-Conservation Exhibit Area, CM-Corn Maze, CC-Cover Crops, and J.J.D. Harrington Bldg.

From Demo Alley:

- W. 6th St.:** HS-Health and Safety Tent and SD-Ag Farm Safety and Drone Demo
- W. 11th St.:** YG-Yard and Garden Area and Master Gardeners
- W. 9th-11th Streets:** V-Potato and Small Equipment Demonstration Area

Ag Progress Days 2024 · August 13, 14, and 15

Visit Penn State's College of Agricultural Sciences on the web: agsci.psu.edu

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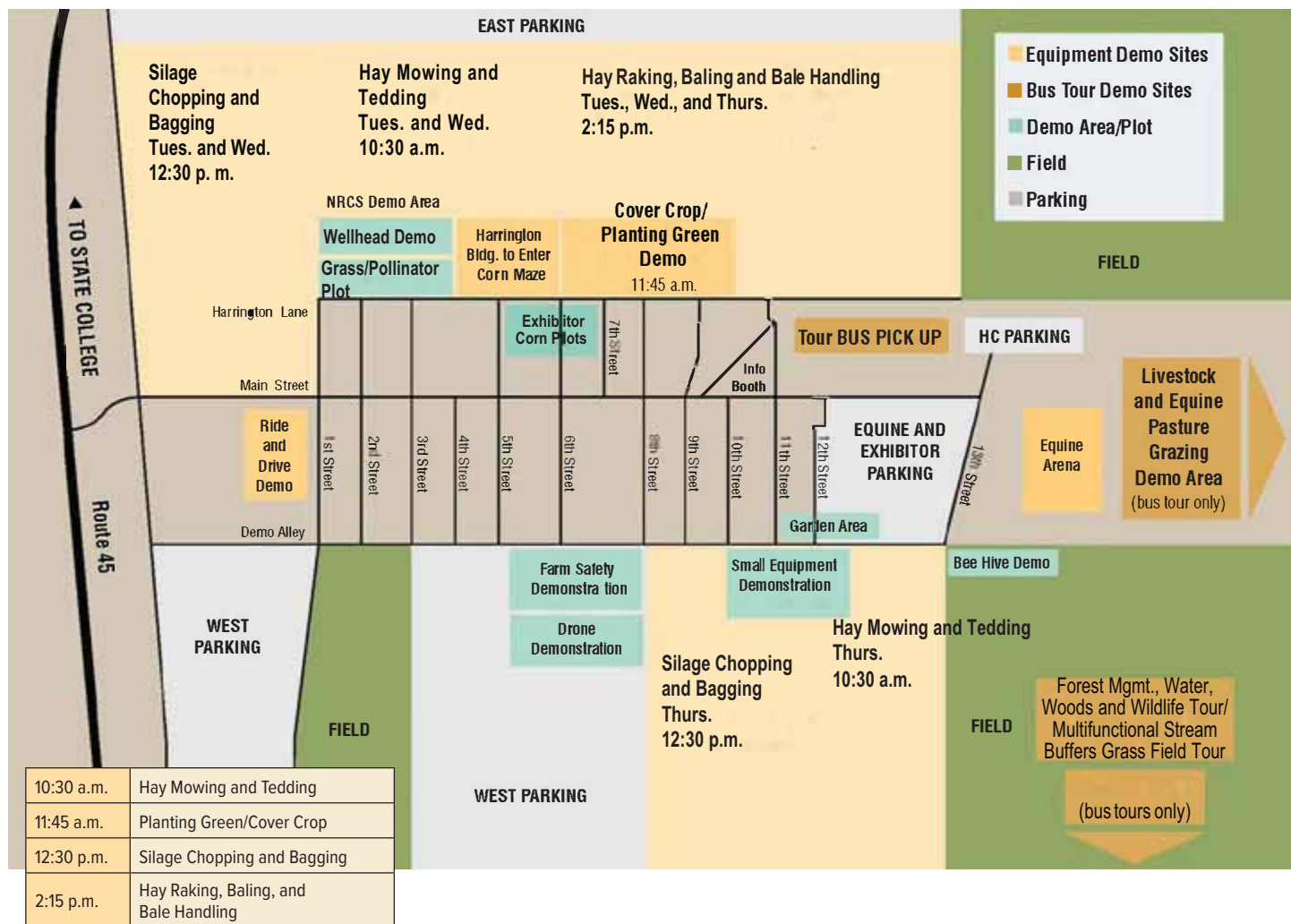
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Machinery Demonstration Map and Schedule



Farm Safety Demonstration Area

End of West 8th Street

Each year the Agricultural Safety and Health team highlights a safety topic important to the everyday lives of farm families. This year learn about the hazards of all-terrain vehicles or ATVs which are commonly used on the farm and for recreational activities. The team will show the potential for a rollover incident and ways to reduce the risk of an overturn. There will be demonstrations at 10:00 a.m. and 12:00 p.m. on both Tuesday and Thursday, which will show the hazards related to ATV usage. We will also highlight use of protective safety gear for ATV riders. On Wednesday, an agricultural rescue demonstration will show a PTO entanglement emergency and how first responders approach the situation to properly manage a farm-related incident. This ag rescue demonstration will take place at 11:00 a.m. and 1:00 p.m.

Small Equipment Display and Demonstration Area

Visit the end of W. 11th Street and Demo Alley (formally the Veg. Garden Demo Area) Join the variety of dealers to see their daily demonstrations of small tractors, mowers and attachments, all showing the versatility and ease of operation in our Demo Area.

Water Wellhead Demonstration Areas

Keeping your well water safe for your family and your livestock is your responsibility. Learn how to keep harmful pollutants out of your drinking water and how to get your water tested. You can join the 30-minute walking tour at **10:00 a.m. daily**, meet at the entrance to the J.D. Harrington Bldg. and walk with Penn State Extension Water team staff to

view three wellheads around the area. They will discuss proper wellhead inspection, sanitary well cap use, and setting up a zone of protection around your well.

Cover Crop Plots

Next to the J.D. Harrington Crops and Conservation Building, several Pennsylvania seed companies are demonstrating new cover crop mixtures. Visit Penn State specialists in the Harrington Building or seed company representatives at the **Cover Crop Plots** at 11:45 a.m. daily for answers to specific questions.

Equipment Demonstrations

This year's new field demonstration will feature **Corn Silage Chopping** at 12:30 p.m. daily. Several of the major equipment companies will have units in the field for producers to compare side by side. In action this year will be hay mowers, rakes and tedders, hay balers and bale handlers.

Drone Demonstrations

Farm Safety Demonstration Area (SD) will host Penn State Department of Agricultural and Biological Engineering faculty who will demonstrate the safe use of unmanned aerial vehicles (UAV) on Tuesday and Thursday at 11:00 a.m. and 2:00 p.m. Watch drones in action and learn about their uses in agriculture with Penn State researchers. **Commercial Multirotor Drone Operation** may be featured in this same area by participating drone exhibitors.

At the Show

If You Think You Know the College of Ag Sciences... Think Again

Find out more about how Penn State and the College of Agricultural Sciences affect your life each day. Stop in at the Undergraduate Education table and learn more about how a quality education can make life better.

College Exhibits Building Main Street between West 9th and West 10th Streets

Visit with Penn State Extension teams and departments to learn about the latest research from Departments of Animal Science, Veterinary & Biomedical Sciences and Department of Entomology along with Spotted Lantern Fly Extension. Teams will update you on these current concerns. Learn more about educational opportunities in Agriculture at the Undergraduate Education Office and career information on Agricultural workforce development initiatives.

Ag Business/Crops, Soils, Plants, and Energy Conservation

- **Solar Power on the Farm**
Tuesday Seminars 10:00 a.m.–12:30 p.m.
Explore alternative energy opportunities with the Penn State Extension team as they offer their expertise and viable alternatives. Explore alternative energy opportunities with the Penn State Extension team as they offer their expertise and viable alternatives for Solar on their **Tuesday Seminars** to be held at the American National Learning Center (FF). Topics to be addressed: **How Solar Works on the Farm, Credit Market for Renewables, Standalone Solar Systems, and Panel Discussion with experts and users.**
- **Penn State's Small Business Development Center**
Penn State's Small Business Development Center will host Ag Center of Excellence consultant providing 30-minute talks introducing business topics: **"Preparing for Generational Transitions: Where to Start with Succession Planning"** and **"Planning for Emergencies: How to Become More Resilient"** on **Wednesday, Aug. 9, 1:00 p.m. and 1:30 p.m.** to be held in the Lower Red Barn Annex (RB).
- **Cover Crops, Soil Fertility, and Nutrient Management Updates**
Join faculty for a 45-minute talk daily at **1:00 p.m.** in the American National Farm Family Learning Center. The team will introduce a new calculator for determining nitrogen fertilizer recommendations for corn

based on soil organic matter and cover crop inputs. Following the presentation, participants can demo the calculator.

Conservation Exhibit Area Harrington Lane

- **Natural Resources Conservation Service (NRCS)**
Demonstrations supported by NRCS technical staff will focus on working farms. Featuring an **active livestock watering system** with rain and solar-powered pumps for grazing operations, a **scaled manure storage and concrete loafing area** to address animal concentration areas, and an **interactive soil tunnel** to demonstrate soil health.

Family, Youth, and Health Activities

The Family Building Main Street and West 8th Street

Come visit the LION Mobile Clinic, which uses a student-run free clinic model to increase access to health care and promote healthy choices for under-resourced communities in Pennsylvania. Tour the clinic, listen to Dr. Simonette on how to **prevent skin cancer on Wednesday at 3:00 p.m. in the Family Bldg. Theatre. A Skin Cancer Screening** will be held on **Wednesday from 5:00–7:00 p.m.** at the Clinic. Visit the Family Room, where Penn State Extension hosts Food, Families, and Health (FFH) and Pesticide Education exhibits. Healthy eating, physical activity, keeping food safe and managing stress are all part of good physical and mental health for children, youth and families. Also featured is Pesticide Education, where you will learn about pesticide safety for consumers, families, and agricultural professionals along with educational materials regarding general pest management. Exhibit topics include: Family Wellbeing, Health & Wellness, Food Safety & Quality-Home Food Preservation and Pesticide Education. Also, join us for **Cooking Demonstrations** (see schedule of events) which will introduce you to new recipes. **Pest Education Program** will explore the possibilities of whether a plant, insect, or animal is "always a pest, sometimes a pest or never a pest?" Proper identification is key to learning the difference. Spin the wheel, answer the question and win a prize.

The Youth Building Main Street and West 8th

Children and youth can learn about the many interactive activities offered by 4-H and other youth organizations. Featuring hands-on activities, demonstrations, or presentations. All week long, explore with microscopes the diseases of plant, experience fish identification, get up close and personal with rabbits, and test your dairy knowledge!

Pennsylvania 4-H—Learn about the state 4-H Program, and build then launch your own catapult! Learn from **Extension bio-security educators** how to Egg-scape the spread of the dangerous High Pathogen Avian Influenza in Poultry. **PA Dairy Princess and Promotion Services Inc.—Dairy Nutrition and Dairy Facts**—Meet local and state dairy royalty. Test your knowledge: Real vs. Imitation, and check out information on the differences of real dairy foods or imitation. You can also visit our second booth in the Dairy and Livestock Area! **Pennsylvania State Rabbit Breeder's Association** will share their rabbit hobby with visitors and share about uses of rabbit throughout the state. **PSU Plant Pathology—Plants Get Sick Too!**—Hands-on children's activities to examine forest fungi, cultivated mushrooms and plants that are 'sick' with common plant diseases. Microscopes and magnifying glasses can be used to get a close look at the materials. **Governor's Youth Council** is hosting information about how to become guides and agents in the District Conservation and Natural Resource agencies.

Shaver's Creek Environmental Center Tent West 8th Street

Discussions and hands-on natural history exhibits will give you a close look at native **Pennsylvania wildlife species**. Presentations feature live monarchs, turtles, snakes, and amphibians throughout the day.

Corn Maze Next to the Joseph D. Harrington Crops, Soils, and Conservation Building, end of East 5th Street

Spend a few minutes—or several hours—wandering through the corn maze. This maze is accessible to kids, wheelchairs, and baby strollers.

Rural Health and Safety Tent
End of West 6th Street (next to the Farm Safety Demonstration Area)
There will be **FREE health screening opportunities available each day from 9:00 a.m.–3:00 p.m.**, screenings this year will include **liver, carotid artery, vision, and blood pressure**. Also visit AgrAbility for Pennsylvanians to learn about adaptive resources for agricultural producers who have a disability or long-term health condition. Learn about bike and ATV safety, tick education, concussion education, assistive technology, and rural wellness from local health service organizations. Worker Protections Standard program will offer two courses daily awarding 1 core credit per talk. **11:30 a.m. Daily, "Pesticide Storage, Security and Transportation"** During this half hour presentation you will learn how to properly store your pesticides for safety, security and preservation of the product as well as tips for

(continued on next page)

At the Show

(continued from page 21)

transporting pesticides from one location to another at **1:30 p.m. Daily**, “**Pesticide Spills Happen- What should you do? Who should you call?**” During this half-hour presentation, you will learn what to do in the event you have a spill. What you should have in your spill kit and who you need to report the spill too.

PAOneStop/AgMap

Conservation Exhibit Area

Learn about online tools that help farmers create detailed maps of their farming operation and assist them in meeting regulatory requirements for erosion, sediment plans, and nutrient management.

Yard and Garden Area

End of West 11th Street

Ask the Penn State Extension Master Gardeners for advice on your plant and pest problems! Gain tips on **Container Gardening, Soil Health, Composting, Raised Garden Beds and Plant Breeding**. Don't forget to visit the **butterfly tent** and **children's activity booth!** Master Gardeners will be giving **tours of the Demonstration Garden** as well to learn about growing various herbaceous and woody plants. Learn the latest on **beehive equipment** from Penn State Extension and gain a deeper understanding of the honeybees and native pollinators at the observation hive.

The Equine Experience

The Equine Demonstrations Above West 13th Street

The Equine Experience, presented by Penn State's Equine Science program, features demonstrations, exhibits, workshops, and seminars on equine-related topics. Demonstrations for this year include **Penn State Quarter Horses, Paso Fino Horses, Bear Hill Horse Logging, KDTCA Drill Team, Six-Horse Hitch, Mini Horse Jumping Derby, PA State Mounted Police, Gaited Horses**, and more at the Main Horse Arena. (see schedule of events for times listed at MH).

Pasto Museum

Main Street

Visit the new video and artifacts exhibits inside the museum. Share in learning the history of the materials and methods to fashion tools. Stop by to see the latest publications from Penn State Press. Museum open daily, an hour after the start of the show and closes an hour before the end of the show.



Food Concessions

Around the show grounds various nonprofit agricultural associations, community organizations, churches, and student groups create a wonderful assortment of food items for your enjoyment. For your convenience, their planned menus are provided below:

PA Livestock Assoc. (Main and East 8th):

Texas pork rib sandwich, boneless rib sandwich, hot dogs, pulled pork barbeque, beef brisket sandwich, beef & cheddar sandwich, and combo meals (cole slaw or baked beans) tea and lemonade

Pa. Potato Grower's Cooperative

(Main and West 8th): french fries, pierogies and chicken tenders

Fairbrook United Methodist Church

(Main and East 7th):
Breakfast bowls: sausage, home fries, scrambled eggs, and cheese
Lunch: burgers, hot dogs, hot sausages, ham sandwich, baked beans, applesauce, chips, peach dumplings and apple dumplings

Penn Ag Industries Assoc.

(Demo Alley and West 6th):
Breakfast: breakfast sandwiches
Lunch: chicken tenders, hot dogs, fresh cut fries, sausage sandwich, and milkshakes.

Hoag's Catering (Main and West 1st):

Breakfast: breakfast sandwiches, hash browns, pancakes, juice and coffee
Lunch: tossed salad, pasta salad, hamburger, chicken quesadilla, beef hot dogs, bbq pork sandwich, grilled chicken sandwich, french fries, and fruit cup.

Separate Tents:

Penn State Berkey Creamery
Ice Cream
Fried Mushrooms

Pa. Cattleman's Association

(Main and West 8th): ribeye sandwiches, cheesesteak hoagie, beef meatball sandwich, and cheesesteak nachos

Pa. County Agents Association

(West 12th below equine area): sausage sandwiches and combo meals (chips) and beverages

Pa. Dairy Princess and Promotions

(Main and East 8th): grilled cheese sandwiches, yogurts, and root beer or orange floats

Pa. FFA Foundation

(Main and East 8th):
Breakfast: breakfast sandwiches and coffee
Lunch: cheese and pepperoni pizza, pulled pork sandwiches, sausage, cheesesteak sandwich, beans, applesauce, chips, and fresh squeezed lemonade

Pa. Jr. Guernsey Breeders

(Main and East 7th): milkshakes

Pa. Maple Producers

(Main and West 8th): maple, syrup, sundaes, milkshakes, and maple flavored sweet tea, maple cotton candy and various PA Maple products.