

Ag Progress Days



PennState
College of Agricultural Sciences

PROGRAM GUIDE

August 14–16, 2018

Russell E. Larson Agricultural Research Center
Rock Springs, PA

Tuesday 9:00 a.m.–5:00 p.m.

Wednesday 9:00 a.m.–8:00 p.m.

Thursday 9:00 a.m.–4:00 p.m.

apd.psu.edu



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Welcome to Ag Progress Days!

We are pleased to have you as our guest at the Russell E. Larson Agricultural Research Center for this 43rd exposition, which provides a wonderful opportunity to learn about the many exciting advancements in agriculture and related fields to which our faculty and staff are contributing.

We hope you will take full advantage by exploring the many exhibits and taking part in the tours, workshops, and other presentations. This is your chance to get a firsthand look at some of 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 designed to appeal to virtually everyone, 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 for rest and nourishment, check out the nonprofit and commodity-group food vendors ready to serve you a slice of Pennsylvania's bounty.

To help guide your visit, feel free to 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 Ag Choice 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.

Merchandise Sales: Ag Progress Days T-shirts and Penn State Dairymen's Club Milk Bottles are for sale in the College Exhibit Building at West 10th and Main

Streets. Proceeds go to the Penn State College of Ag Sciences Undergraduate Education Services. The Penn State Dairymen's Club sells milk bottles as a fundraiser for scholarships.

Pets: University policy prohibits pets in buildings or tents and should be leashed and under control by their owners if on the show grounds. Owners are required to clean up after their pets.

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.

Relocations: Fried mushroom are available at the County Extension Agents food booth by the Main Horse Arena. Kids Climb is located further South above the Main Horse Arena at a new climbing tree, (wore the old one out). Butterfly Tent is beside the Youth Building.

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



What's New

- Hops Research Presentation and Hopyard Tour
- Small Scale Farming Equipment Display and Vegetable Garden Demonstration
- Cover Crop Planting Green Demo and No-Till Drills Equipment Demonstration
- Livestock Watering System Demonstration
- Native Species Butterfly Tent
- 4H Expressive Arts Displays
- Blacksmith Demonstrations
- Historic Interpreters, Greenwood Furnace Charcoal Wagon

Penn State Extension Team in the College Exhibits Building:

- **Department of Entomology** — Battling the Spotted Lanternfly
- **Department of Ecosystem Science and Management** — Minnow Harvesting from your Pond
- **Department of Plant Science** — Potential for Industrial Hemp in PA
- **Department of Veterinary and Biomedical Sciences** — An Inside Look at Livestock Nutrition and Health Issues



PennState Extension



Special Presentations on the Grounds

Battling the Spotted Lanternfly
Penn State Cooperative Extension Teams
 (see schedule for day, time, and location)

Ag Forum with Dean Roush & Secretary Redding
College Exhibits Bldg. Theater, Tuesday at 10:30 a.m.

The Dean of the College of Agricultural Sciences and PA Secretary of Agriculture, will address high priority issues facing Pennsylvania agriculture, with a focus on the **Spotted Lanternfly**.

PA House & Senate Agriculture and Rural Affairs Committees Informational Meeting

College Exhibits Bldg. Theater, Wednesday at 10:00 a.m.
 Ag Industry Update

Ag Business Presentations

Ag Choice Farm Credit Tent (E. 7th St.), Wednesday 11:00 a.m., noon, & 1:00 p.m.

Policy Issues and the State of Pennsylvania Agriculture
Theater of the College Exhibit Building, Wednesday, 2:30-3:30 p.m.

Congressman Glenn "GT" Thompson will be hosting a listening session. The session is an opportunity to hear directly from several stakeholders representing various sectors of PA agriculture and the concerns. Joining Congressman Thompson will be the Pennsylvania Department of Agriculture Deputy Secretary for Market and Economic Development Cheryl Cook and Pennsylvania Farm Bureau President Rick Ebert.

2017 Centre County Economic Development Survey Results
Red Barn, Upstairs Meeting Room, offered Wednesday at 10:00 a.m.

On-Farm Renewable Energy Team Seminars

Farm Family Learning Center, offered Tuesday morning and afternoon

Pennsylvania Farming, A History in Landscapes

Red Barn, Upstairs Meeting Room, offered Wednesday at 10:30 a.m.

Show Site Improvement

With the growth of technology and increasing dependency on the internet, the College of Ag Sciences Information Technology Team and Ag Progress Days Office have been working to improve internet services to the show site. We have completed Phase 1 of the upgrade to provide a more permanent and reliable solution to increase performance and speed to all show buildings. We appreciate the financial donations of the following organizations to help facilitate these improvements:



Mapping and Booth Label Reference Guide

Exhibitors have specific booth numbers, assigning them to their location to connect with our new 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 (xx), 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 thru 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 St. or are located on Main St. (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 thru 13. Typically the exhibitor booth space numbers on the north side of street are even and those on the south side are odd numbers. **(V) is new for 2018** – Vegetable Tent & Garden Area, Demo Alley & W.10-12th St.

Locations Abbreviation Key for Exhibits

ABBREV	AREA	LOCATION
A	AG Choice Building	Main and W. 6th St.
AM	PA One Stop/Ag Map Tent	W. 10th St.
AP	Ag Choice Tent	E. 7th St.
AT	Antique Tractor Display	Main and E. 5th
C	College Exhibits Building	Main and W. 10th St.
CT	College Exhibits Building Theatre	Main and W. 10th St.
CC	Penn State Cover Crops	Harrington Lane and E. 5th St.
CEA	Conservation Exhibit Area	Harrington Lane
CM	Corn Maze	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	Farm Family Learning Center Building	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
K	Kid's Climb Tree Area	South of Main Horse Arena
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	Vegetable Tent & Garden Area	Demo Alley & 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		
A		AMERICAN FARM BUREAU INSURANCE..... G117	
A.M. LOGGING.....	EC308	AMERICAN TRAUMA SOCIETY..... EC515	
ABC YORK	E615	AMERIGAS	PFB 118
ABILENE MACHINE.....	EC212	AMS GALAXY	W11-112
ADAMS SUPPLY	W848	ANDERSON GROUP	W307
ADM CROP RISK SERVICES	A210	ANTIQUE TRACTORS	M101
AG ANALYTICAL SERVICES LAB	J109	APPLIED BIO MINERALS	L204
AG CHOICE FARM CREDIT	A101	ASSOC. WARM GRASS PRODUCERS	CEA12
AG CHOICE FARM CREDIT TENT	E715	AUGUSTA SEED.....	E625
AG EXPRESS ELECTRONICS	A310	AURIFY SALES	W10-114
AGCO.....	E117	AUTOMATIC FARM SYSTEMS.....	E321
AGRI-DYNAMICS	D113	B	
AGRI-KING	W911	B & R FARM EQUIPMENT	W547
AGRI-NUTRITION CONSULTING.....	L301	BAD DOG TOOLS.....	EC405
AGRI-PLASTICS MFG.....	W856	BAILEYS.....	W332
AGRI-SC.....	A512	BAKER AG-LIME.....	A312
AGRI-TRAC US	L111	BASTIAN TIRE & AUTO CENTERS.....	W125
AKE SAFETY EQUIPMENT	A112	BECO EQUIPMENT.....	W121
ALL AROUND FENCE	W528	BEFCO	E122
ALLEGHENY AG	W833	BEILER - CAMPBELL REALTOR.....	A510
ALLENSVILLE PLANING MILL.....	W101	BELCO RESOURCES EQUIPMENT	W10-113
ALTERNATE HEATING SYSTEMS.....	W204	BENDER ENTERPRISES	W305
AMERIAG	W817	BERGMAN MFG.....	EC105
AMERICAN ANGUS ASSOC.....	D107		
AMERICAN DAIRY ASSOC. NE.....	D203		

BEST LINE EQUIPMENT	W217	CENTER FOR DAIRY EXCELLENCE	D106
BINKLEY & HURST.....	W213, W301	CENTRE CNTY ANIMAL RESPONSE.....	W13-110
BLACKSMITH DEMO.....	EB	CENTRE HOMECARE	RHST104
BLAIN SUPPLY.....	W202	CHANNEL.....	E627
BLUE MT 4-H LIVESTOCK CLUB	Y101	CHARVIN FARM.....	D310
BOBCAT OF STATE COLLEGE.....	W123	CHEM SELECT	EC310
BOYD STATION	EC505	CHEMGRO.....	L113
BRANDT LAND MANAGEMENT LLC	EC208	CHESAPEAKE BAY FOUNDATION.....	J300
BRUTE FORCE.....	W10-105	CHRISTIAN FARMERS OUTREACH... ..	EC114
BUREAU OF RIDE AND MEASUR. STANDARDS.....	PDA104	CHUBB AGRIBUSINESS.....	EC305
BUSINESS LEASE CONSULT.....	EC205	CLARKS AG SUPPLY	W913
C		CLEAN CUTTER FLAIL & TILLER BLADE.....	EC112
C & C SPECIALTIES.....	W424	CLEANFIX NA LTD	A309
C K MFG	W924	CLEVELAND BROTHERS	E110
CADCO-CONGDON ASSOC. DIST.....	W207	CNY FARM SUPPLY.....	W610
CALLICRATE BANDERS.....	L114	CONESTOGA BUILDINGS	W906
CAMP 3 LLC.....	EC511	CONESTOGA MFG	W415
CANNS-BILCO DIST.....	W825	CONEWANGO PRODUCTS.....	L104
CARL NEUTZEL SERVICES	E209	CONKLIN CO	A303
CASE IH	E215	COUNTRY CLIPPER/SHIVERS	W222
CDL USA	E106A	COUNTRY FOLKS	L317
CEDAR CREST EQUIPMENT	E528	COWCO.....	W609
CEN-PE-CO (CENTRAL PETRO CO)...	W510	COWKÜHLERZ.....	W526
CENTER FOR AG & SHALE LAW PSU	A509	CROP PRODUCTION SERVICE	E620
		CROPCARE.....	W917

Exhibitors and Location

CROWN ROYAL STOVES/
GREENTECH MFG..... W420A
CUSTOM FAB TRAILERS W618

D
D. H. WELDING W221
DAIRY FARMERS OF AMERICA D306
DAIRY ONE D305
DAIRYMASTER USA..... W11-108
DAVID HEATH/HAYBUSTER E213
DBC AG PRODUCTS/ LIRA GOLD..... L101
DCC WATERBEDS ADVANCED
COMFORT TECH L110
DEEP VALLEY FARM D114
DEER COUNTRY FARM & LAWN W625
DELAVAL W11-101
DELAWARE VALLEY UNIVERSITY A505
DILLER AG EQUIPMENT W411
DION-AG H103
DISCOUNT HYDRAULIC HOSE EC410
DK HOSTETLER..... E301
DOEBLERS PA HYBRIDS E623
DONEGAL INSURANCE GROUP..... A408
DOTTERER EQUIPMENT..... W418
DOUBLE B FARM SUPPLY W11-107
DUPONT PIONEER E529
DYNA PRODUCT H101

E
E M HERR EQUIP W509
E. RISSLER MFG..... W916
EASTERN STATES
LIVESTOCK SYST..... W10-115
ELANCO ANIMAL HEALTH W12-104
ELI FISHER CONSTRUCTION W10-103B
EMM SALES & SERVICE W100
ENERGY PANEL STRUCTURES DA126
ERNST SEEDS..... CEA11
ESCH MFG W646
EVERETT CASH MUTUAL
INSUR EC201, 401
EVERGREEN FENCE..... H102
EXCEL INDUSTRIES W316
EXPERT SEPTIC..... W13-100

F
FARM & LAND REALTY A501
FARM FAMILY CASUALTY INSUR EC507
FARM WOMEN UNITED L304
FARMCHAINS.COM..... EC411
FARMCO MFG W419
FARMER BOY AG W518
FARMET USA..... H100
FASTLINE PUBLICATIONS A207
FISHER & THOMPSON D303
FLIEGL E525
FOR-MOST LIVESTOCK EQUIP W409
FORD MOTOR COMPANY..... PFB 101
FORD/NEWSCOPE MARKETING DA114
FRIENDS OF FARM SHOW PDA111
FULL CIRCLE MUSHROOM
COMPOST W11-113
FULTON BANK NA EC403
FUTURECOW D317

G
GERINGHOFF..... W303
GOOD TIME 4H CLUB Y301
GOODVILLE MUTUAL CASUALTY A405
GRASSWORKS MFG W10-108
GREEN MOUNTAIN ENERGY..... EC406
GRO-MOR PLANT FOOD EC408

GROWERS MINERAL SOLUTIONS..... W600
GROWMARK FS/DEKALB E621, E704

H
H G DISTRIBUTING W111
H&S MFG..... W619
HALE TRAILER BRAKE & WHEEL W108
HAMILTON EQUIPMENT E109
HANDS ON THERAPEUTIC RIDING... EB504
HC QUALITY DOORS G101
HEAT SMART PLUS W904
HEATMASTER/STEELTECH..... W327
HERSHEY EQUIPMENT..... W406
HERSHEY MED. STOP THE BLEEDING
DISPLAY RHST205
HILLTOP ENVIRONMENTAL
SOLUTIONS G108
HOARDS DAIRYMAN D205
HOME SOLUTIONS EC111
HOOBER W201
HOOVER TRACTOR KIOTI..... W841
HORIZON PROD./ZERK ZAPPER EC512
HOSTETTER REALTY..... EC302
HUBNER SEED E608
HUD-SON FOREST EQUIPMENT W836
HURLEY AUCTIONS..... W119
HYDROX TECHNOLOGIES INC..... V107

I
I & J MANUFACTURING..... W933
IBA W921
ICW GROUP..... EC204
IMMUCELL CORP L308
INDEPENDENT AG EQUIP W511
INNOVATIVE DAIRY SOLUTIONS .. W10-118
INT HARVESTER COLLECTORS M104
INTERNATIONAL STOCK FOOD D111
IVA MFG..... W10-107
INVISIBLE FENCE BRAND OF
CENTRAL PA G122

J
JAMESWAY FARM EQUIPMENT E317
JOES MACHINERY W514
JOHN DEERE..... W519
JOHN DEERE COMMERCIAL W535
JONESTOWN AG SUPPLY W918
JS KNOTTS..... E609
JTJ MFG E106B

K
KENCOVE FARM FENCE
SUPPLIES..... W10-111
KENT NUTRITION GROUP..... W13-116
KEYSTONE CONCRETE PRODUCTS.. W919
KEYSTONE GROUP AG SEEDS..... E632
KINGS AGRISEEDS L102
KISH VALLEY ELECTRIC/
HEATMOR W11-111
KREPS SERVICE STATION W11-124
KUBOTA TRACTOR E333
KUHN NORTH AMERICA..... W845
KUHN'S MFG..... W216

L
LANCASTER 4-H Y103
LANCASTER DHIA L306
LANCASTER FARMING..... A301
LANCO MFG..... W622
LANCO/PENNSYLVANIA..... D312
LAND PRIDE..... E325
LANDOLL W613

LAW OFFICES OF JAMES CLARK EC202
LAWN & GOLF VENTRAC DA101
LAWN CARE DIST DA109
LEADERS FARM EQUIPMENT W642
LEGACY STEEL BUILDINGS W115
LEGACY TRUCK CENTERS W601
LEIDEN LAND & CATTLE W852
LIQUTUBE MARKETING INTERNAT... A407
LOCAL SEED COMPANY E624
LONG ACRES POTATO FARMS... W11-103

M
M&T BANK PFB 116
M H EBEL W816
M M WEAVER-CLAAS E517
MAHINDRA USA E536
MAHONING OUTDOOR FURNACE W10-119
MANITOU GEHL..... E351
MARLOO EQUIPMENT..... W829
MARTIN BAGGERS W10-110
MARTIN CONSTRUCTION..... D211
MARTIN TILL E115
MARTIN TRUCK BODIES W414
MARTIN WATER CONDITIONING L206
MASCHIO GASPARDI, NA..... W615
MCFARLANE MFG W504
MD & VA MILK PRODUCERS D207
MENSCH MFG..... W407
MERCK ANIMAL HEALTH L109
MESSICKS W800
METZLER FOREST PRODUCTS A205
MEYER MFG..... W107
MID - ATLANTIC SEEDS..... E616
MID-ATLANTIC HIGHLAND CATTLE .. L305
MID-ATLANTIC MASTER FARMERS... A105
MID-ATLANTIC PLANTERS & EQUIP.. E118
MID-ATLANTIC WATER- PROOFING... L207
MILLNER/HAUFEN TOOL CO A212
MIRACO W11-116
MISS UNITED STATES AGRICULTURE Y306
MORTON BUILDINGS..... E600
MOUNT NITTANY HEALTH..... RHST203
MOUNTAIN AIR GARAGE DOORS W214
MOUNTAIN SUPPLY/PATRICK LEMIN W634
MR TOOL E100
MURRAY SECURUS..... EC102
MUSCLE PRODUCTS EC104
MYERS FARM..... W501

N
N. TIER HARDWOOD ASSOC J102
NACHURS A404
NASF L106
NATIONAL DAIRY PRODUCERS D116
NATIONAL FARMERS ORG D206
NATIONWIDE INSURANCE..... PFB 104
NELSON & SONS CONCRETE..... L314
NEW HOLLAND E201
NEXTIRE W10-104
NOLTS POWER EQUIP..... W408
NORTH BROOKS FARM..... W12-108B
NORTHEAST AGRI SYSTEMS INC W914
NORTHWEST SAVINGS BANK..... L310
NORWOOD SALES E102
NTH /N-TECH - TROOP EQUIP..... W422
NUHN INDUSTRIES..... W920
NYCAMH RHST204

O
OLEY VALLEY FEED W11-105

P
P BRADLEY & SONS W524
PA ARABIAN HORSE ASSOC..... EB507
PA ASSOC CONSERVATION DIST..... J106
PA ASSOC FOR SUSTAINABLE AG J209
PA ASSOC OF COUNTY FAIRS A109
PA BEEF COUNCIL D105
PA BUREAU OF ANIMAL HEALTH... PDA112
PA BUREAU OF FARMLAND
PRESERV..... PDA102
PA BUREAU OF FOOD DIST..... PDA101
PA BUREAU OF MARKET
DEVELOPMENT PDA114
PA BUREAU OF FOOD
SAFETY PDA113
PA BUREAU OF PLANT
INDUSTRY PDA103
PA CATTLEMENS ASSOC L116
PA CERTIFIED ORGANIC..... J309
PA CHAP CONSULTING FORESTERS.. A108
PA CHAPT AMER CHESTNUT
FDN W11-102
PA CONSERVATIVE ENERGY
FORUM G107
PA CORN GROWERS ASSOC A503
PA DAIRY PRINCESS &
PROMOTION D201, Y104
PA DCNR BUREAU OF FORESTRY..... J105
PA DEER FARMERS ASSOC J202
PA DEPT OF AG M118, PDA106
PA DEPT OF ENVIRON.
PROTECTION J401
PA EQUINE COUNCIL EB501
PA FARM BUREAU E512
PA FARM LINK A412
PA FARM VACATION..... G111
PA FARMLAND PRESERV ASSOC A115
PA FORAGE & GRASSLAND
COUNCIL J112
PA FOREST PRODUCTS ASSOC./SFI.. J104
PA FORESTRY ASSOC J103
PA GAME COMMISSION..... J203
PA GRAIN PROCESSING E601
PA GROUND WATER ASSOC..... J405
PA HARDWOOD DEV COUNCIL... W11-100
PA LLAMA & ALPACA ASSOC L212
PA LYME RESOURCE NETWORK..... J101
PA MILK MARKETING BOARD EC501
PA NO-TILL ALLIANCE CEAO1
PA OFFICE OF RURAL HEALTH DA136A,
..... RHST101, RHST201
PA ONE CALL SYSTEM A411
PA ONE STOP..... W10-101
PA PORK PRODUCERS COUNCIL..... A106
PA QUALITY DEER MANAGEMENT ... J204
PA SHEEP & WOOL GROWERS
ASSOC D103
PA SHORTHORN BREEDERS ASSOC.. L117
PA SIMMENTAL ASSOC L201
PA SOYBEAN BOARD A107
PA STATE GRANGE A402
PA VEGETABLE GROWERS ASSOC... EC107
PA WOMENS AG NETWORK J208
PA YOUNG FARMERS ASSOC EC504
PA. OFF. RURAL HEALTH DENTAL
DISPLAY RHST105
PABODY AGENCY A307
PAMELA STERN AND ASSOCIATES... A111
PARADISE ENERGY SOLUTIONS..... W908
PASTO MUSEUM DISPLAY M119
PATZ CORPORATION..... E500
PAUL MUELLER..... W927

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Exhibitors and Location

PENN JERSEY PRODUCTS.....	W503	PSU SHAVERS CREEK.....	W803
PENNTAP.....	EC209	PSU STATE 4-H PROGRAMS.....	Y201
PENTA EQUIPMENT.....	W309	PSU SUSTAINABLE AG.....	J410
PEQUEA MACHINE.....	W555	PSU VETERINARY EXTENSION.....	C103
PERDUE AGRIBUSINESS.....	A208	Q	
PERMA COLUMN EAST.....	E611	QUALITY CRAFT TOOLS.....	W416
PETERSHEIMS COW MATTRESSES.....	W10-109	R	
PIK RITE.....	W507	RAM TRUCKS EVENTNEXT.....	G114
PINE HILL MFG/TRAILER.....	E513	REBELS CONSTRUCTION.....	L209
PLANETSAVER INDUSTRIES.....	G118	RED ANGUS ASSOC OF AMERICA.....	L312
POETTINGER US.....	E112	REINECKER AG.....	D314
POWER SYSTEMS ELECTRIC.....	W417	RHINO AG.....	E200
PRAXAIR.....	W120	RISSEER GRAIN.....	L203
PREGENEX.....	D210	ROTO-MIX.....	E108
PRICE MOTOR SALES.....	W315	RURAL COMMUNITY INSUR.....	EC109
PRIEFERT RANCH EQUIP/ CLAYCOMB.....	W512	RYAN BRIDGE "THE BUG MAN".....	Y203
PRO FLEET CARE.....	W114	RYDER SUPPLY.....	W626
PROGRESSIVE PUBLISHING.....	G109	S	
PROVITA ANIMAL HEALTH.....	D208	SI DISTRIBUTING.....	W212
PSU AG & ENVIRON CENTER.....	J407	SALSCO.....	W127
PSU AG SAFETY & HEALTH.....	DA140	SAM FISHER AG CURTAINS.....	W10-103A
PSU AG SCIENCES UNDERGRAD ED..	C105	SAMASZ NA/ BM DIST/ BM DIST.....	W633
PSU AGRABILITY.....	DA136, RHST206	SCHAEFFER MFG.....	A513
PSU ANIMAL SCIENCE DIAGNOSTIC LAB.....	D104	SCHNUPPS GRAIN ROASTING.....	L316
PSU ANIMAL SCIENCE- DAIRY NUTR.....	W13-112	SEEDWAY.....	E537
PSU BEEKEEPERS.....	YG101	SELECT SIRE POWER.....	D301
PSU BIOFUELS ENERGY GROUP.....	J408	SHADY LANE CURTAINS.....	W909B
PSU CENTER DIRT & GRAVEL RDS....	J201	SHAVER'S CREEK 4-H CLUB.....	Y102
PSU CENTER FOR REPRO. BIOLOGY.....	D101	SHOUP MFG.....	A305
PSU CHILDREN EATING BEHAVIOR LAB.....	F102	SHOWEASE.....	W923
PSU CROP MGMT EXT DISPLAY.....	CEA05	SHUR-CO.....	A113
PSU DAIRYMANS CLUB.....	C305	SILOSTOP.....	L313
PSU DEPT. OF ENT. BUTTERFLY TENT.....	W805	SISCO.....	W405
PSU DEPT. OF ENTOMOLOGY.....	C301	SKYVIEW TRACTOR REPAIRS.....	W311
PSU DEPT. OF PLANT SCIENCE.....	C101	SLAYMAKER GROUP.....	W506
PSU ECO SC. & MGMT- POND MGMT.....	C201	SMUCKERS ENERGY.....	W903
PSU ENVIRON. RESOURCE MGMT.....	J406	SNYDER EQUIPMENT.....	W423
PSU EQUINE EXHIBITS.....	EB102, 104-106	SOLLENBERGER SILOS.....	W401
PSU EQUINE EXHIBITS 2.....	W13-115	SONES GRAIN SYSTEMS.....	W508
PSU EXT FOOD & COOKING DEMO....	F206	STEIN-WAY EQUIPMENT.....	W129
PSU EXT FOOD-DINING W/DIABETES.....	F203	STEINER/SCHILLER GROUNDS CARE.....	E524
PSU EXT FOOD-MEDIT CUISINE.....	F204	STERLING TECHNOLOGY.....	EC402
PSU EXT FOOD-SAFETY.....	F205	STEVE SELTZER POWERSPORTS.....	DA122
PSU EXT NATURAL RESOURCES.....	J107	STOLTZFUS SPREADERS.....	W605
PSU EXT NUTRIENT MGMT.....	J307	STOR-LOC.....	EC306
PSU EXT NUTRITION LINKS.....	F103	SUKUP MANUFACTURING.....	W313
PSU EXT TOTALLY VEGGIES.....	F104	SUMMIT HILL.....	W211
PSU EXT WATER RESOURCES.....	J411	SUN DIRECTED.....	W902
PSU EXT. AG BUSINESS & RISK MGMT.....	A507	SYNGENTA.....	E533
PSU EXTENSION MARCELLUS.....	J200	T	
PSU FIELD & FORAGE.....	J108	T & B MEDICAL.....	W901
PSU HAY SHOW.....	J113, J211	TAM SYSTEMS.....	E505
PSU MASTER GARDENERS.....	YG201	TEAMAG.....	A302
PSU MASTER WELL OWNER.....	J404	TECH MIX.....	D110
PSU ON-FARM RESEARCH.....	J108	THE FERTRELL COMPANY.....	D209
PSU PESTICIDE EDUCATION.....	F201	TIGERCO DIST.....	W926
PSU PLANT PATH & ENVIR MICRO....	Y303	TIMAC AGRO.....	G102
PSU PLANT SCIENCE WEED ID.....	J207	TIMBERWOLF WOOD PROCESSING EQUIP.....	W10-123
PSU POLICE OUTREACH.....	F101	TITAN IMPLEMENT.....	W551
PSU POTATO GROWERS.....	YG206	TOPCON AGRICULTURE AMERICA.....	D117
PSU PRESS.....	M121	TOPSTITCH OF NEW YORK.....	D311
		TORO - CENTURY EQUIP.....	W900
		TORO AG IRRIGATION.....	V106

TRACTOR SUPPLY.....	E103
TRACTORHOUSE/AUCTION TIME.....	EC303
TROUBLE FREE LIGHTING.....	EC101
TURF TIME EQUIPMENT.....	W118
TWIN VALLEY FARM SERVICE.....	W403
TYM USA.....	W116

U	
UNVERFERTH MFG.....	W614
US ARMY CORPS OF ENGINEERS.....	J302
USDA APHIS WILDLIFE SERVICES.....	J304
USDA ARS PASTURE LAB.....	CEA14, J110
USDA FARM SERVICE AGENCY.....	A502, J111
USDA NAT AG STATISTICS SERVICE..	J308
USDA NAT RESOURCES CONSERV.....	J205, J305
USDA NORTHEAST.....	J210
USDA RURAL DEVELOPMENT.....	A506

V	
VALLEY SMITHEY BLACKSMITH.....	M119
VALMETAL.....	E313
VAN BEEK NATURAL SCIENCE.....	A410
VERMEER.....	W425
VICTORY THERAPEUTIC HORSEMANSHIP.....	EB604

W	
WARRIORS MARK FENCING.....	W10-117
WATER AND SOLAR LLC.....	W10-100
WEAVER DISTRIBUTING.....	EC513
WEAVERLINE.....	W629
WECOVER STRUCTURES.....	E202B
WESTFIELD GROUP.....	EC503
WILD ROSE FENCE.....	E107
WINGFIELD MFG.....	W617
WOOD-MIZER.....	DA110, W223

Y	
YANMAR AMERICA.....	W104

Z	
ZARTMAN FARMS.....	W10-121
ZEISET EQUIPMENT.....	W11-109
ZIMMERMAN.....	W915
ZIMMERMAN FARM SERVICE.....	W500
ZIMMERMANS GLASSLINED STORAGE.....	W828
ZIMMEYS DIESEL PERFORMANCE...	W206

Building and Tent Maps

(G) Exhibit Building 2 (East 5th St.)

RAM Trucks	AMERICAN FARM BUREAU INSURANCE	PLANETSAVER INDUSTRIES
G114	G117	G118
PA FARM VACATION ASSOC.		
G111		
PROGRESSIVE PUBLISHING		INVISIBLE FENCE BRAND OF CPFA
G109		G122
PA CONSERV. ENERGY		HILLTOP ENVI. SOL.
G107		G108
HC QUALITY DOORS		TIMAC AGRO
G101		G102

Main Entrance

E 5th Street

Building and Tent Maps

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

PA FARMLAND PRESERVATION ASSOC. A115	SHUR-CO A113	AKE SAFETY EQUIPMENT A112	PAMELA STERN AND ASSOCIATES A111	PA ASSOC OF COUNTY FAIRS A109	PA CHAP. CONSULTING FORESTERS A108	PA SOYBEAN BOARD A107	PA PORK PRODUCERS COUNCIL A106	MASTER FARMERS A105	AG CHOICE FARM CREDIT A101				
<table border="1"> <tr> <td>MILLNER-HAUEN TOOL COMPANY A212</td> <td>ADM CROP RISK SERVICES A210</td> <td>PERDUE AGRIBUSINESS A208</td> <td>FASTLINE PUBLICATIONS A207</td> <td>METZLER FOREST PRODUCTS A205</td> </tr> </table>					MILLNER-HAUEN TOOL COMPANY A212	ADM CROP RISK SERVICES A210	PERDUE AGRIBUSINESS A208	FASTLINE PUBLICATIONS A207					METZLER FOREST PRODUCTS A205
MILLNER-HAUEN TOOL COMPANY A212	ADM CROP RISK SERVICES A210	PERDUE AGRIBUSINESS A208	FASTLINE PUBLICATIONS A207	METZLER FOREST PRODUCTS A205									
BAKER AG-LIME A312		AG EXPRESS ELECTRONICS A310	CLEANFIX NA A309	PABODY AGENCY A307	SHOUP MFG A305	CONKLIN A303		TEAMAG INC. A302	LANCASTER FARMING A301				
PA FARM LINK, INC A412	PA ONE CALL SYSTEM INC. A411	VAN BEEK NATURAL SCIENCE A410	DONEGAL INSURANCE GROUP A408	LIQUITUBE MARKETING INTERNAT. A407	GOODVILLE MUTUAL CASUALTY COMPANY A405	NACHURS A404	PA STATE GRANGE A402						
SCHAEFFER MFG CO. A513	AGRI-SC A512	BEILER - CAMPBELL REALTORS & AUCTION A510	AG & SHALE LAW PSU A509	<table border="1"> <tr> <td>PSU EXT. AG BUSINESS & RISK MGMT A507</td> <td>USDA RURAL DEVELOPMENT A506</td> <td>DELAWARE VALLEY UNIVERSITY A505</td> <td>PA CORN GROWERS A503</td> <td>USDA FARM SERVICE AGENCY A502</td> <td>FARM AND LAND A501</td> </tr> </table>			PSU EXT. AG BUSINESS & RISK MGMT A507	USDA RURAL DEVELOPMENT A506	DELAWARE VALLEY UNIVERSITY A505	PA CORN GROWERS A503	USDA FARM SERVICE AGENCY A502	FARM AND LAND A501	ATM
PSU EXT. AG BUSINESS & RISK MGMT A507	USDA RURAL DEVELOPMENT A506	DELAWARE VALLEY UNIVERSITY A505	PA CORN GROWERS A503	USDA FARM SERVICE AGENCY A502	FARM AND LAND A501								

Main Entrance

Main Street

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

CHRISTIAN FARMERS OUTREACH EC114	CLEAN CUTTER EC112	HOME SOLUTIONS EC111	RURAL COMMUNITY INSURANCE SERV. EC109	<table border="1"> <tr> <td>PA VEGETABLE GROWERS EC107</td> <td>BERGMAN MFG INC. EC105</td> <td>MUSCLE PRODUCTS CORP EC104</td> <td>MURRAY SECURUS EC102</td> <td>TROUBLE FREE LIGHTING EC101</td> </tr> </table>			PA VEGETABLE GROWERS EC107	BERGMAN MFG INC. EC105	MUSCLE PRODUCTS CORP EC104	MURRAY SECURUS EC102	TROUBLE FREE LIGHTING EC101
PA VEGETABLE GROWERS EC107	BERGMAN MFG INC. EC105	MUSCLE PRODUCTS CORP EC104	MURRAY SECURUS EC102	TROUBLE FREE LIGHTING EC101							
ABILENE MACHINE INC EC212		PENNTAP EC209	BRANDT LAND MGMT EC208	BUSINESS LEASE CONSULT. EC205	ICW GROUP EC204	JAMES CLARK EC202	EVERETT CASH MUTUAL INSURANCE CO. EC201				
CHEM SELECT EC310		A.M. LOGGING EC308	STOR-LOC EC306		CHUBB AGRIBUS. EC305	TRACTOR-HOUSE/AUCTIONTIME EC303	HOSTETTER REALTY EC302	EVERETT CASH MUTUAL INSURANCE CO. EC401			
FARMCHAINS.COM EC411	DISCOUNT HYDRAULIC HOSE EC410	GRO-MOR PLANT FOOD CO. EC408	GREEN MT ENERGY EC406	BAD DOG TOOLS EC405	FULTON BANK NA EC403	STERLING TECHNOLOGY EC402					
AMERICAN TRAUMA SOC EC515	WEAVER DISTRIBUTING EC513	HORIZON EC512	CAMP 3 LLC EC511	FARM FAMILY CASUALTY INSURANCE EC507		BOYD STATION EC505	PA YOUNG FARMERS ASSOC. EC504	WESTFIELD GROUP EC503	PA MILK MARKETING BOARD EC501		

Main Entrance

Main Street

Building and Tent Maps

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

Harrington Lane	PA LYME RESOURCE J101	N. TIER HARDWOOD J102	PA FORESTRY J103	PA FOREST PRODUCTS J104	PA DCNR FORESTRY J105	PA CONSERV. DIST. J106	PSU EXT. NATURAL RES. J107	PSU EXT. FORAGE/ON-FARM J108	PSU AG ANALYTICAL LAB J109	USDA-ARS J110	USDA-FSA J111	PA FORAGE & GRASS J112	HAY SHOW J113	
	PSU EXT. MARCELLUS J200	PSU DIRT & GRAVEL RDS. J201	PA DEER FARMERS J202	PA GAME COMMIS. J203	PA QUALITY DEER J204	USDA-NRCS J205	PSU EXT. WEED ID J207	PA WOMEN'S AG J208	PA ASSOC. SUSTAIN. AG J209	USDA-NE	USDA-NASS	PA CERTIF. ORGANIC	USDA-NE J210	HAY SHOW J211
	CHESAPEAKE BAY FOUNDAT. J300		U.S. ARMY CORPS OF ENGIN. J302		USDA APHIS WILDLIFE SERVICES J304	USDA-NRCS J305	PSU EXT. NUTR. MGMT. J307	USDA-NASS J308	PA ASSOC. SUSTAIN. AG J309					
	PA DEP J401	PSU MASTER WELL OWN. J404	PA GROUND WATER ASSOC. J405	PSU ERSM J406	PSU AG & ENVIR. CTR J407	PSU BIOFUELS & ENERGY J408	PSU SUSTAIN. AG J410	PSU EXT WATER RESOURCES J411						

Entrance
Corn Maze

W 12th Street

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

TOPGON AG D117	NAT. DAIRY PRODUCER D116	DEEP VALLEY D114	AGRI-DYNAMICS D113	INTERNAT. STOCK FOOD D111	TECH D110	VENT	AMER. ANGUS ASSOC. D107	CTR. DAIRY EXCELLENCE D106	PA BEEF COUNCIL D105	PSU ANIMAL SC DIAG. D104	PA SHEEP & WOOL D103	PSU REPROD. D101
MARTIN CONSTRUCT D211	PREGENEX D210	FERTRELL CO D209	PROVITA D208	MD & VA MILK PROD. D207	NAT. FARMERS D206	HOARD'S DAIRY D205	AMER. DAIRY ASSOC NE D203	DAIRY PRINCESS & PROMOTION D201				
FUTURECOW D317	REINECKER AG D314	LANCO PENNLAND D312	TOPSTITCH D311	CHARVIN FARM D310	DAIRY FARMER D306		DAIRY D305	FISHER & THOMPSON D303	SELECT SIRE D301			

Main Entrance
Main Street

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

PA SHORTHORN BREEDERS L117	PA CATTLEMEN L116	CALLICRATE BANDERS L114	CHEMGRO L113	AGRI-TRAC L111	ADVANCED COMFORT TECH. L110	MERCK ANIMAL L109	NASF L106	CONEWANGO PROD. L104	KINGS AGRISEEDS L102	DBC AG PROD. LIRA GOLD L101	
PA LLAMA & ALPACA L212	REBEL'S L209		MID-ATLANT. WATER- PROOF L207	MARTIN WATER L206	APPLIED BIO MINERALS L204	RISSER GRAIN L203	PA SIMMENTAL L201				
COUNTRY FOLKS L317	SCHNUPP'S GRAIN L316	NELSON & SONS CONCRETE L314	SILOSTOP L313	RED ANGUS ASSOC. L312	NORTHWEST SAVINGS L310	IMMUCELL L308	LANCASTER DHIA L306	MIDATLAN. HIGHLAND L305	FARM WOMEN L304	AGRI-NUTRIT. CONSULTING 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. **Note: Walking and/or standing is involved once the bus arrives at the tour destination.**

<p>American Chestnut Foundation Plantings Tour (1.25 hours)</p>	<p>See American chestnut breeding orchards. Learn about the history and demise of the American chestnut tree, how to plant and maintain chestnut trees, and The American Chestnut Foundation's citizen scientists and programs working to restore the species.</p> <p>Bus leaves Tuesday at 3:30 p.m., Wednesday at 10:00 a.m. and 3:30 p.m. and Thursday at 10:00 a.m.</p> <p>Note: Walking/standing involved. No restrooms available.</p>
<p>NEW! Hops Research and Hopyard Tour (1 hour)</p>	<p>The brewing industry in PA has a \$1.9 billion dollar economic impact. Hops, a perennial plant, is a key ingredient in the brewing industry that was grown in PA and declined. Now recent research has improved varieties of hops which will grow well in PA. This tour will showcase Penn State's hopyard and the efforts to evaluate these varieties for yield and quality characteristics. Equipment used in a small-scale hops production will also be on display.</p> <p>Bus leaves daily at 2:00 p.m. Note: Walking/standing involved. No restrooms available.</p>
<p>High Tunnel Tour (2 hours)</p>	<p>High tunnels are inexpensive structures used for extending the growing season and improving yields and quality of vegetables, berries, and cut flowers. At Penn State's High Tunnel Research and Extension Facility, strawberries and raspberries are being grown in containers in 15 tunnels with five different types of plastics to better manage plant growth, temperatures, and pests. To learn how to better manage heat load, four additional tunnels are equipped with various types of solar-powered automated venting options including a ridge-vent, roll-up roof, roll-down sides, and roll-up sides. Work being conducted will be explained and effects of the plastics on yields and microenvironment will be discussed.</p> <p>Bus leaves daily at 10:30 a.m. and 1:30 p.m. Note: Walking/standing involved. No restrooms available.</p>
<p>Managing Equine/Livestock Pastures to Improve Soil Health (1.5 hours)</p>	<p>See how using Adaptive Grazing and Diverse Cover Crops can improve your pasture. This year's tour features hands-on activities with equine and cattle pastures. Producers will leave with an understanding of paddock fencing/watering systems components. Along with an in-depth discussion about field practices and evaluation of cover crop mixes to look at rooting structure and soil health indicators. The tour will focus on Equine Management, Adaptive Cattle Grazing, and Soil Health principles for both cropping and livestock operations. Along with a rainfall simulator demonstration and a discussion on cover crops.</p> <p>Bus leaves daily at 10:30 a.m., 12:30 p.m., with additional tours Tuesday and Wednesday at 2:30 p.m.</p> <p>Note: Walking/standing involved. No restrooms available.</p>
<p>Short Rotation Woody Crops for Biomass (1 hour)</p>	<p>What are short rotation woody crops? How do they contribute to biomass feedstock? Why are they being promoted for marginal planting sites? What type of species should you grow and who will buy it? Tour includes a visit to a demonstration plot with fast-growing willow and poplar trees. Learn how to grow, harvest, and produce this crop as an alternative income opportunity that helps provide sustainable energy supplies.</p> <p>Bus leaves daily at 11:00 a.m. Note: Walking/standing involved. No restrooms available.</p>
<p>Multifunctional Stream Buffers and Native Grass Field Tour (1 hour)</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 at 11:30 a.m. Note: Walking/standing involved. No restrooms available.</p>
<p>Forest Management Tour: Woods and Wildlife (1.5 hours)</p>	<p>Woodlots provide a great deal of value, but requires some level of time, commitment, and planning. Every decision and activity raises new challenges and opportunities. Explore Penn State's Demonstration Forest and gain valuable insights into how woods are managed for timber production, wildlife habitat, water quality, recreational activities and research. Forestry and wildlife professionals lead the tours and will be available to answer your questions and find resources to effectively steward Pennsylvania's woods.</p> <p>Bus leaves daily at 11:00 a.m. and 2:00 p.m. Note: Walking on trails over uneven terrain/standing involved in thick forest area. No restrooms available.</p>
<p>Habitat Management for Deer and Other Wildlife Tour (1.5 hours)</p>	<p>This tour will focus on food plots and natural habitat management practices used on public or private property as part of a Quality Deer Management System to improve habitat for many wildlife species while producing healthier and larger deer. Visit habitat demonstration plots (with new features) in the woodlot and neighboring fields.</p> <p>Bus leaves daily at 9:30 a.m. and 12:30 p.m. with additional tour Wednesday at 3:30 p.m. Note: Walking/standing involved. No restrooms available.</p>
<p>Dairy Beef Feedlot Tour (1 hour)</p>	<p>This tour will provide participants with information regarding the use of implants in beef production. The tour will focus on how implants affect feed efficiency. New technology installed this year, GrowSafe Feed Intake Systems, helps evaluate individual animals and helps researchers to understand feed efficiency and meal patterns. Observe calf-fed Holsteins that have been implanted and compare them to their pen mates that have not been. This demo is being brought to you by the PA Beef Working group (a collaboration of: Penn State Extension, PA Beef Council, Center for Beef Excellence and PA Cattlemen's Association) and PA Dept. of Agriculture with support from JBS.</p> <p>Bus leaves daily at 10:00 a.m. and 12:00 p.m. with additional tours Tuesday and Wednesday at 2:00 p.m. Note: Walking/standing involved; restrooms will be available.</p>
<p>Russell Larson Research Facilities Farm Tour (1 hour)</p>	<p>This tour will visit each of the University-supported farms at the Rock Springs Facility. Farm managers will present a brief overview of the farm, current research, and student involvement as well as answer participant questions.</p> <p>Bus leaves daily at 11:00 a.m. with additional tours on Tuesday at 2:30 p.m. and Wednesday at 2:30 & 5:00 p.m. Note: Minimal walking involved. No restrooms available.</p>

Ag Progress Days Area Map



GATE J
CASE IH ENTRANCE DISPLAY



MR. TOOL E100	NORWOOD SALES E102	CDL USA E106A	JTJ MFG E106B	ROTO-MIX E108	CLEVELAND BROTHERS E110	POETTINGER US E112	MID-ATLANTIC PLANT-ER E118	BEFCO E122
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E 1 STREET

PA BEEKEEPERS E200	TRACTOR SUPPLY E103	WILD ROSE FENCE E107	HAMILTON EQUIP E109	MARTIN TILL E115	AGCO E117
RHINO AG E200	WE COVER STRUCT E202B				

E 2 STREET

NEW HOLLAND E201	CARL NEUTZEL E209	DAVE HEATH ASSOC. / FAE E213	CASE IH E215
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E 3 STREET

DK HOSTETLER E301	VALMETAL USA E313	JAMESWAY FARM EQUIP E317	AUTOMATIC FARM SYSTM E321	LAND PRIDE E325	KUBOTA TRACTOR E333	MANITOU GEHL E351
PATZ E500	PA FARM BUREAU E512	(G) EXHIBIT BLDG #2		STEINER / SCHILLER GROUNDS CARE E524	CEDAR CREST EQUIP E528	MAHINDRA N. AMERICA E536

E 5 STREET

TAM SYSTEMS E505	PINE HILL MFG/TRAILER E513	M M WEAVER-CLAAS E517	FLIEGL E525	DUPONT PIONEER E529	SYNGENTA E533	SEEDWAY E537
ANTIQUE TRACTOR M101	HUBNER SEED E608	MID-ATLANTIC SEEDS E616	CROP PROD. SERV E620	LOCAL SEED CO E624	KEYSTONE GROUP AG SEEDS E632	
MORTON BLDG E600						

E 6 STREET

FARMET USA H100
DYNA H101
EVERGREEN FENCE H102
DION-AG H103



PA NO-TILL ALLIANCE CEA01	NRCS WATER DISPLAY	PENN STATE CROP MGMT CEA05
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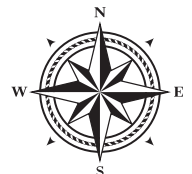
ERNST SEEDS CEA11	ASSOC. WARM GRASS CEA12	USDA-ARS CEA14
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HARRINGTON LANE

(J) JOSEPH D. HARRINGTON BLDG.

(CC) PSU COVER CROP LOT

(CM) CORN MAZE



Map Legend on page 11

Ag Progress Days Area Map

W 6 STREET

SAMASZ NORTH AMERICA / BM DIST W629	WEAVERLINE	DEER CTRY FARM & LAWN W625	H&S MFG	WINGFIELD MFG W617	LANDOLL W613	COWCO	STOLTZFUS SPREADERS W605	LEGACY TRUCK CENTERS	(EC) EVERETT CASH MUTUAL BLDG.
W633				MASCHIO GASPARDO N. AMERICA W615	HUD-SON FOREST W609	ZIMMER GLASS-LINED STOR.	M. H. EBY	MESSICK'S	PA MAPLE PRODUCERS
LAWN CARE DISTB. DA109	LEIDEN LAND & CATTLE	ADAMS SUPPLY							PA DAIRY PRINCESS
AGRI-PLASTICS MFG W856	W852	W848	W619	W836	W828	W816	W800		

W 8 STREET

KUHN N. AMERICA W845	HOOVER TRACTOR	ALLEGHENY AG	MARLOO EQ W829	CANNS-BILCO W825	AMERI-AG W817	(Y) Youth Building W807B	SHAVERS CREEK TENT W803	PSU DEPT. OF ENT. BUTTERFLY TENT W805	(F) Family Room W805B	CHIEF LOGAN LIONS / PA CATTLEMEN'S ASSOCIATION	
TIGERCO W926	C K REPLACEMENT STALLS W924	W841	W920	W918	W916	W914	W908	W906	W904	W902	W900
			NUHN INDUSTRIES	JONESTOWN AG	E. RISSLER MFG	NORTHEAST AGRI SYSTM	PARADISE ENERGY SOL.	CONESTOGA BLDG	HEAT SMART PLUS	SUN DIRECTED	TORO CENTURY EQUIP

W 9 STREET

I & J MFG W933	PAUL MUELLER W927	SHOW-EASE INC.	IBA INC. W921	KEYSTONE CONCRETE PROD	CROPCARE W917	ZIMMERMAN W915	CLARKS AG SUPPLY W913	AGRI-KING W911	SHADY LANE W909B	SMUCKER'S ENERGY W903	T & B MEDICAL W901
			INNOVATIVE DAIRY SOL		AURIFY SALES	MARTIN BAGGERS	GRASSWORKS MFG	NEXTIRE	(C) College Building W116B		
			W923	W10118	W919	W10114	W10110	W10108	W10104	W10100	

W 10 STREET

TIMBERWOLF W10123	ZARTMAN FARMS W10121	MAHONING OUTDOOR FURNACE W10119	WARRIORS MARK FENCING W10117	EASTERN STATES LIVESTOCK SYST. W10115	BELCO RESOURCES EQUIP W10113	KENCOVE FARM FENCE W10111	PETERSHEIMS W10109	IVA MFG W10107	BRUTE FORCE W10105	S. FISHER AG CURTAINS W10103	ELI FISHER CONSTR UCTION W10103	PSU PA ONE W10101
		KREPS	MIRACO		AMS GALAXY		DAIRYMASTER USA			PA CHAPT. OF THE AMER. CHEST-NUT	PA HARDWOOD DEV. COUNCIL	PA DEPT OF AG M118
		W11124	W11116	W11015	W11112	W10111	W11108	W10107	W10105	W11102	W11100	

W 11 STREET

(V) Vegetable Garden Tent	(VG) Vegetable Garden Demo	(Y) Yard and Garden Area W11117	FULL CIRCLE W11113	KISH VALLEY W11111	ZEISET EQUIP W11109	DOUBLE B FARM SUPPLY W11107	OLEY VALLEY FEED W11105	LONG ACRES FARMS W11103	DELAVAL W11101	(S) SPECIAL EVENTS BLDG.
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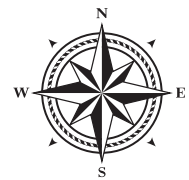
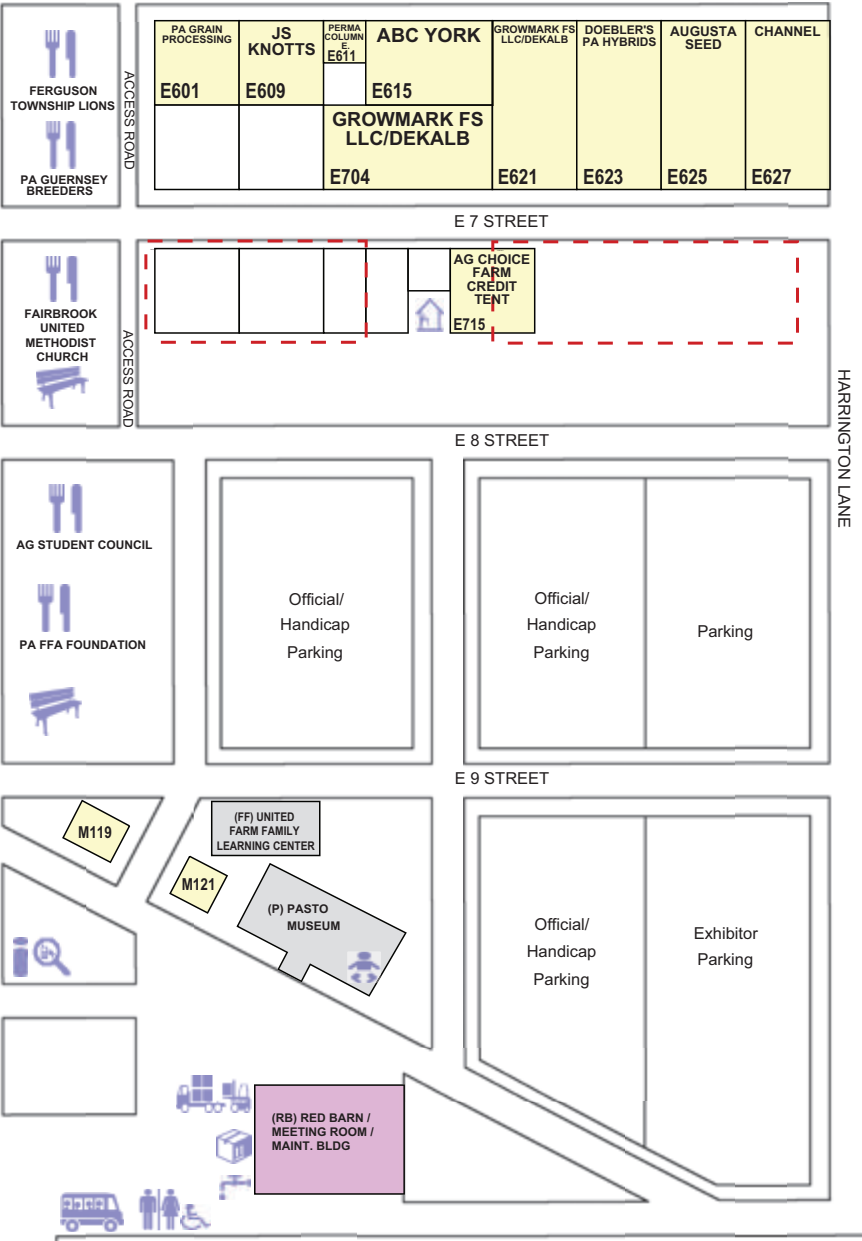
W 12 STREET

Exhibitor Parking	(D) DAIRY AND LIVESTOCK TENT # 1	(L) DAIRY AND LIVESTOCK TENT # 2	KENT NUTRITION W13116	CENTRE CO ANIMAL RESP W13110	PSU ANIMAL SCI W13112	EXPERT SEPTIC W13100
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W 13 STREET

(ET) EQUINE TENT	PENN STATE EQUINE EXHIBITS 2 W13115	(EB) EQUINE EXHIBITS BLDG.
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PA AG	(MH) MAIN HORSE ARENA
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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

KUBOTA ENTRANCE DISPLAY



Daily Schedule

Tuesday, August 14

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
	First Aid and Firearm Safety Tips	Healthy Lifestyle	F
	Corn Maze	Family	CM
	Kid's Climb, is open until 4 p.m., closed for lunch	Forest Resources	K
	Blacksmith Demonstrations	Family	P & E
	Pennsylvania 4-H Expressive Arts & PA 4-H Store	Family & Youth	Y
	PA Miss United States Agriculture	Family & Youth	Y
	PA Dairy Princess	Family & Youth	Y
	Good Time 4-H Club Quilting	Family & Youth	Y
	The Bug Man	Family & Youth	Y
9:00 a.m.	Drones in Agriculture Demonstration	Regulations	SD
	Hay Show	Crops, Forage, Hay & Soils	J
	Pasto Museum Silent Auction	Family	P
	Blue Mountain 4-H Club - Hands on with Wool	Family & Youth	Y
9:30 a.m.	Habitat Management for Deer and Other Wildlife Tour	Wildlife	T
	Vegetable Equipment Demo	Farm and Business	V
10:00 a.m.	Tractor Rollover Demonstration	Ag Safety and Health	SD
	Leveraging Your PA Preferred Membership	Farm and Business	PDA
	Quick and Flavorful Fruit and Veggie Snacks	Cooking & Food Safety	F
	Blood Pressure Screenings – until 3 p.m.	Healthy Lifestyle	HS
	Intro to Biochar	Energy and Water	FF
	Butterfly Tent – until 1 hr. before close	Wildlife	SC
	Miniature Horses	Equine	MH
	Dairy Beef Feedlot Tour	Livestock	T
	Turtles of Pennsylvania	Wildlife	SC
10:30 a.m.	Spotted Lanternfly Update	Farm and Business	CT
	On Farm Biochar Applications	Energy and Water	FF
	Keystone Dressage and Combined Training Drill Team	Equine	MH
	High Tunnel Tour	Home, Lawn & Garden	T
	Produce Food Safety	Home, Lawn & Garden	V
	Managing Equine and Livestock Pastures to Improve Soil Health	Crops, Forage, Hay & Soils	T
	Field Demo-Hay Mowing & Tedders	Crops, Forage, Hay & Soils	ED
11:00 a.m. <i>continued on next page</i>	Quick and Flavorful Fruit and Veggie Snacks	Cooking & Food Safety	F
	Personal Protection Equipment	Regulations	HS
	In Their Words: PA Preferred Homegrown By Heroes	Farm and Business	PDA
	Russell Larson Farms Tour	Farm and Business	T
	Biochar Market Development	Energy and Water	FF

Tuesday, August 14

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

Start Time	Event Title	Focus	Location
11:00 a.m. <i>continued</i>	Forest Management Tour: Decisions and Actions	Forest Resources	T
	Fruit Trees in the Home Garden	Home, Lawn & Garden	YG
	Snakes of Pennsylvania	Wildlife	SC
11:30 a.m.	Arena Carriage Events	Equine	MH
	Multifunctional Stream Buffers & Native Grass Field Tour	Energy and Water	T
11:45 a.m.	Field Demo-Corn Chopping and No-Till Drills	Crops, Forage, Hay & Soils	ED
12:00 p.m.	Battling the Spotted Lanternfly	Farm and Business	CT
	Food Demo Surprise!	Cooking & Food Safety	F
	Hops Research Presentation	Crops, Forage, Hay & Soils	FF
	Dairy Beef Feedlot Tour	Livestock	T
12:30 p.m.	Draft Horse Hitch	Equine	MH
	Habitat Management for Deer and Other Wildlife Tour	Wildlife	T
	Managing Equine and Livestock Pastures to Improve Soil Health	Crops, Forage, Hay & Soils	T
1:00 p.m.	Antibiotic Stewardship, it can really make cents	Livestock	CT
	Animal Composting Presentation	Livestock	RB
	Black Bean & Corn Salsa	Cooking & Food Safety	F
	Birds of Prey	Wildlife	FF
	Hopyard Tour	Crops, Forage, Hay & Soils	T
	Field Demo-Cover Crop Planting Green	Crops, Forage, Hay & Soils	ED
	Flower Arranging Demo	Home, Lawn & Garden	YG
1:30 p.m.	Mineral Supplements for Livestock	Livestock	CT
	Horsemanship Skills Needed for the Everyday Rider	Equine	MH
	Growboxes	Home, Lawn & Garden	YG
	High Tunnel Tour	Home, Lawn & Garden	T
2:00 p.m. <i>continued on next page</i>	Pollinator Garden Talk	Home, Lawn & Garden	CEA
	Tractor Rollover Demonstration	Ag Safety and Health	SD
	Field Demo-Hay Merging & Raking	Crops, Forage, Hay & Soils	ED
	Is your Cow Ready to be Bred?	Livestock	CT
	Dairy Beef Feedlot Tour	Livestock	T

Daily Schedule Locations

From Main Street:

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

E. 7th St.: AP-Ag Choice Tent

E. 9th St.: FF-Farm Family Learning Center

Beyond 1st St.: ED-Equipment Demo Ride and Drive

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

W. 9th St.: F-Family Bldg. and Cooking Demonstration Theater

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

11th St.: P-Pasto Museum, RB-Red Barn Meeting Rooms (U/D), S-Special Events Bldg., and T-Tours

W. 13th: EEB-Equine Exhibit Bldg., K-Kid's Climb, 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-Vegetable Garden Demonstration Area and Tent

Key to Category Colors

Agriculture	Animals	Food & Health	Lawn & Garden	Natural Resources	Youth & Family
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Tuesday, August 14

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

Start Time	Event Title	Focus	Location
2:00 p.m. <i>continued</i>	Kale Salad	Cooking & Food Safety	F
	Personal Protection Equipment	Regulations	HS
	Vegetable Oil and Biodiesel Production Methods	Energy and Water	FF
	Forest Management Tour: Decisions and Actions	Forest Resources	T
2:30 p.m.	Potential of Industrial Hemp in PA	Farm and Business	CT
	Russell Larson Farms Tour	Farm and Business	T
	Managing Equine and Livestock Pastures to Improve Soil Health	Crops, Forage, Hay & Soils	T
	Field Demo-Hay Baling and Bale Handling	Crops, Forage, Hay & Soils	ED
	On-Farm Produced Biodiesel in Farm Equipment	Energy and Water	FF
	Pa. State Police Mounted Patrol	Equine	MH
	Vegetable Equipment Demo	Farm and Business	V
3:00 p.m.	Drones in Agriculture Demonstration	Regulations	SD
	Black Bean & Corn Salsa	Cooking & Food Safety	F
	Keystone Dressage and Combined Training Drill Team	Equine	MH
	Growing, Pressing, and Use of Vegetable Oils	Energy and Water	FF
	Monarchs	Wildlife	SC
3:30 p.m.	American Chestnut Foundation Plantings Tour	Forest Resources	T
4:00 p.m.	Kale Salad	Cooking & Food Safety	F

Wednesday, August 15

ALL DAY	Antique Tractor Display	Farm and Business	AT
	Hay Show	Crops, Forage, Hay & Soils	J
	First Aid and Firearm Safety Tips	Healthy Lifestyle	F
	Blacksmith Demonstrations	Family	P & E
	Corn Maze	Family	CM
	Kid's Climb, is open until 4 p.m., closed for lunch	Forest Resources	K
	Pasto Museum Silent Auction ends at 3 p.m.	Family	P
	Pennsylvania 4-H Expressive Arts & PA 4-H Store	Family & Youth	Y
	PA Miss United States Agriculture	Family & Youth	Y
	PA Dairy Princess	Family & Youth	Y
	Good Time 4-H Club Quilting	Family & Youth	Y
	The Bug Man	Family & Youth	Y
9:00 a.m.	Drones in Agriculture Demonstration	Regulations	SD
	Public Schools as a Market	Farm and Business	PDA
	Lancaster 4-H Watercolor Resist Batik	Family & Youth	Y
	Shaver's Creek 4-H Club Expressive Arts Activity	Family & Youth	Y

Wednesday, August 15

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

Start Time	Event Title	Focus	Location
9:30 a.m.	Battling the Spotted Lanternfly	Farm and Business	FF
	Habitat Management for Deer and Other Wildlife Tour	Wildlife	T
	Vegetable Equipment Demo	Farm and Business	V
	Arena Carriage Events	Equine	MH
10:00 a.m.	PA House & Senate Ag and Rural Affairs Committees Informational Meeting	Regulations	CT
	Potential of Industrial Hemp in PA	Farm and Business	FF
	2017 Centre Co. Economic Development Survey Results	Farm and Business	RB
	Dairy Beef Feedlot Tour	Livestock	T
	Baked Honey Granola	Cooking & Food Safety	F
	Blood Pressure Screenings – until 3 p.m.	Healthy Lifestyle	HS
	Butterfly Tent – until 1 hr. before close	Wildlife	SC
	Snakes of Pennsylvania	Wildlife	SC
American Chestnut Foundation Plantings Tour	Forest Resources	T	
10:30 a.m.	Is your Cow Ready to be Bred?	Animals	FF
	Paso Fino Horses	Equine	MH
	PA Farming, a History in Landscapes	Farm and Business	RB
	Managing Equine and Livestock Pastures to Improve Soil Health	Crops, Forage, Hay & Soils	T
	Field Demo-Hay Mowing & Tedders	Crops, Forage, Hay & Soils	ED
	High Tunnel Tour	Home, Lawn & Garden	T
	Produce Food Safety	Home, Lawn & Garden	V
11:00 a.m.	10 Reasons To Be Optimistic About Agriculture	Farm and Business	AP
	Agricultural Rescue Demonstration	Ag Safety and Health	SD
	Russell Larson Farms Tour	Farm and Business	T
	Home Food Preservation Demo	Cooking & Food Safety	F
	Personal Protection Equipment	Regulations	HS
	The Natural History of North America's Wood Turtle	Wildlife	SC
	Forest Management Tour: Decisions and Actions	Forest Resources	T
	Flower Arranging Demo	Home, Lawn & Garden	YG

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- E. 7th St.:** AP-Ag Choice Tent
- E. 9th St.:** FF-Farm Family Learning Center
- Beyond 1st St.:** ED-Equipment Demo Ride and Drive
- W. 8th St.:** SC-Shaver's Creek Tent and Y-Youth Bldg.
- W. 9th St.:** F-Family Bldg. and Cooking Demonstration Theater

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

11th St.: P-Pasto Museum, RB-Red Barn Meeting Rooms (U/D), S-Special Events Bldg., and T-Tours

W. 13th: EEB-Equine Exhibit Bldg., K-Kid's Climb, 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-Vegetable Garden Demonstration Area and Tent

Key to Category Colors

Agriculture	Animals	Food & Health	Lawn & Garden	Natural Resources	Youth & Family
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Wednesday, August 15

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

Start Time	Event Title	Focus	Location
11:30 a.m.	Arabian Breed Demonstration	Equine	MH
	Multifunctional Stream Buffers & Native Grass Field Tour	Energy and Water	T
11:45 a.m.	Field Demo-Corn Chopping and No-Till Drills	Crops, Forage, Hay & Soils	ED
12:00 p.m.	Transition Management from A to Z	Farm and Business	AP
	Hops Research Presentation	Crops, Forage, Hay & Soils	FF
	Baked Honey Granola	Cooking & Food Safety	F
	Draft Horse Hitch	Equine	MH
	Dairy Beef Feedlot Tour	Livestock	T
12:30 p.m.	Antibiotic Stewardship, it can really make cents	Livestock	CT
	Habitat Management for Deer and Other Wildlife Tour	Wildlife	T
	Managing Equine and Livestock Pastures to Improve Soil Health	Crops, Forage, Hay & Soils	T
1:00 p.m.	10 Reasons To Be Optimistic About Agriculture	Farm and Business	AP
	Hopyard Tour	Crops, Forage, Hay & Soils	T
	Field Demo-Cover Crop Planting Green	Crops, Forage, Hay & Soils	ED
	Animal Composting Presentation	Regulations	CT
	Growing, Harvesting, and Using Culinary Herbs	Home, Lawn & Garden	YG
	Miniature Horses	Equine	MH
	Home Food Preservation Demo	Cooking & Food Safety	F
	Birds of Prey	Wildlife	FF
1:30 p.m.	Handling and Training the Young Horse	Equine	MH
	High Tunnel Tour	Home, Lawn & Garden	T
2:00 p.m.	Pollinator Garden Talk	Home, Lawn & Garden	CEA
	Flower Arranging Demo	Home, Lawn & Garden	YG
	Drones in Agriculture Presentation	Farm and Business	FF
	Field Demo-Hay Merging & Raking	Crops, Forage, Hay & Soils	ED
	Agricultural Rescue Demonstration	Ag Safety and Health	SD
	Spinach Cheese Quesadilla with Grape Salsa	Cooking & Food Safety	F
	Personal Protection Equipment	Regulations	HS
	Dairy Beef Feedlot Tour	Livestock	T
	Forest Management Tour: Decisions and Actions	Forest Resources	T
2:30 p.m.	Russell Larson Farms Tour	Farm and Business	T
	Managing Equine and Livestock Pastures to Improve Soil Health	Crops, Forage, Hay & Soils	T
	Field Demo-Hay Baling and Bale Handling	Crops, Forage, Hay & Soils	ED
	Policy Issues and the State of PA Agriculture	Regulations	CT
	Vegetable Equipment Demo	Farm and Business	V
3:00 p.m. <i>continued on next page</i>	Drones in Agriculture Demonstration	Regulations	SD
	Zucchini, Carrots, and Basil	Cooking & Food Safety	F

Wednesday, August 15

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

Start Time	Event Title	Focus	Location
3:00 p.m. <i>continued</i>	Warm Season Grass Research Update	Crops, Forage, Hay & Soils	FF
	PA State Police Mounted Patrol	Equine	MH
	Monarchs	Wildlife	SC
3:30 p.m.	Paso Fino Horses	Equine	MH
	American Chestnut Foundation Plantings Tour	Forest Resources	T
	Habitat Management for Deer and Other Wildlife Tour	Wildlife	T
4:00 p.m.	Spinach Cheese Quesadilla with Grape Salsa	Cooking & Food Safety	F
4:30 p.m.	Arabian Breed Demonstration	Equine	MH
5:00 p.m.	Zucchini, Carrots, and Basil	Cooking & Food Safety	F
	Centre County 4-H Drill Team	Equine	MH
	Amphibians of Pennsylvania	Wildlife	SC
	Russell Larson Farms Tour	Farm and Business	T
6:00 p.m.	Easy Fruit and Veggie Dips	Cooking & Food Safety	F
	Agricultural Rescue Demonstration	Agriculture	SD
	All About Garlic	Home, Lawn & Garden	YG
	"Salute to America" Equine Showcase	Equine	MH

Thursday, August 16

ALL DAY	Hay Show	Crops, Forage, Hay & Soils	J
	First Aid and Firearm Safety Tips	Healthy Lifestyle	F
	Blacksmith Demonstrations	Family	P & E
	The Bug Man	Family & Youth	Y
	PA Miss United States Agriculture	Family & Youth	Y
	Pennsylvania 4-H Expressive Arts & PA 4-H Store	Family & Youth	Y
	PA Dairy Princess	Family & Youth	Y
9:00 a.m. <i>continued on next page</i>	Drones in Agriculture Demonstration	Regulations	SD
	Antique Tractor Display	Farm and Business	AT

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E. 7th St.: AP-Ag Choice Tent

E. 9th St.: FF-Farm Family Learning Center

Beyond 1st St.: ED-Equipment Demo Ride and Drive

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

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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-Vegetable Garden Demonstration Area and Tent

Key to Category Colors

Agriculture	Animals	Food & Health	Lawn & Garden	Natural Resources	Youth & Family
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Thursday, August 16

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

Start Time	Event Title	Focus	Location
9:00 a.m. <i>continued</i>	4-H Horse Quiz Bowl Competition	Equine	EEB
	Lancaster 4-H Watercolor Resist Batik	Family & Youth	Y
	Good Time 4-H Club Quilting	Family & Youth	Y
	Kid's Climb, is open until 3 p.m., closed for lunch	Forest Resources	K
	Corn Maze	Family	CM
9:30 a.m.	Antibiotic Stewardship, it can really make cents	Livestock	CT
	Habitat Management for Deer and Other Wildlife Tour	Wildlife	T
	Vegetable Equipment Demo	Farm and Business	V
10:00 a.m.	Tractor Rollover Demonstration	Ag Safety and Health	SD
	Bicentennial and Centennial Farm Presentations	Farm and Business	PDA
	Is your Cow Ready to be Bred?	Livestock	CT
	Miniature Horse Demonstration	Equine	MH
	Dairy Beef Feedlot Tour	Livestock	T
	Kale Salad	Cooking & Food Safety	F
	Blood Pressure Screenings – until 3 p.m.	Healthy Lifestyle	HS
	Butterfly Tent – until 1 hr. before close	Wildlife	SC
	Disease Prevention in the Home Garden	Home, Lawn & Garden	YG
	Turtles of Pennsylvania	Wildlife	SC
	American Chestnut Foundation Plantings Tour	Forest Resources	T
10:30 a.m.	Managing Equine and Livestock Pastures to Improve Soil Health	Crops, Forage, Hay & Soils	T
	Field Demo-Hay Mowing & Tedders	Crops, Forage, Hay & Soils	ED
	High Tunnel Tour	Home, Lawn & Garden	T
	Produce Food Safety	Home, Lawn & Garden	V
11:00 a.m.	Potential of Industrial Hemp in PA	Farm and Business	CT
	Russell Larson Farms Tour	Farm and Business	T
	Draft Horse Hitch	Equine	MH
	Green Surprise Dip	Cooking & Food Safety	F
	Personal Protection Equipment	Regulations	HS
	Forest Management Tour: Decisions and Actions	Forest Resources	T
	Flower Arranging Demo	Home, Lawn & Garden	YG
	Snakes of Pennsylvania	Wildlife	SC
11:30 a.m.	Multifunctional Stream Buffers & Native Grass Field Tour	Energy and Water	T
11:45 a.m.	Field Demo-Corn Chopping and No-Till Drills	Crops, Forage, Hay & Soils	ED
12:00 p.m.	Hops Research Presentation	Farm and Business	CT
	Kale Salad	Cooking & Food Safety	F
	Dairy Beef Feedlot Tour	Livestock	T

Start Time	Event Title	Focus	Location
12:30 p.m.	Habitat Management for Deer and Other Wildlife Tour	Wildlife	T
	Handling and Training the Young Horse	Equine	MH
	Managing Equine and Livestock Pastures to Improve Soil Health	Crops, Forage, Hay & Soils	T
1:00 p.m.	Battling the Spotted Lanternfly	Farm and Business	CT
	Green Surprise Dip	Cooking & Food Safety	F
	Birds of Prey	Wildlife	FF
	Hopyard Tour	Crops, Forage, Hay & Soils	T
	Field Demo-Cover Crop Planting Green	Crops, Forage, Hay & Soils	ED
1:30 p.m.	Arena Carriage Events	Equine	MH
	Vegetable Gardening with the Master Gardeners	Home, Lawn & Garden	CT
	High Tunnel Tour	Home, Lawn & Garden	T
2:00 p.m.	Tractor Rollover Demonstration	Ag Safety and Health	SD
	Field Demo-Hay Merging & Raking	Crops, Forage, Hay & Soils	ED
	Pollinator Garden Talk	Home, Lawn & Garden	CEA
	Flower Arranging Demo	Home, Lawn & Garden	YG
	Fast Fruit Salad	Cooking & Food Safety	F
	Personal Protection Equipment	Regulations	HS
	What's in your stream? Exploring the world of Macroinvertebrates	Wildlife	SC
2:30 p.m.	Field Demo-Hay Baling and Bale Handling	Crops, Forage, Hay & Soils	ED
3:00 p.m.	Fast Fruit Salad	Cooking & Food Safety	F

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Agriculture	Animals	Food & Health	Lawn & Garden	Natural Resources	Youth & Family
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Ag Progress Days 2019 • August 13, 14, and 15

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

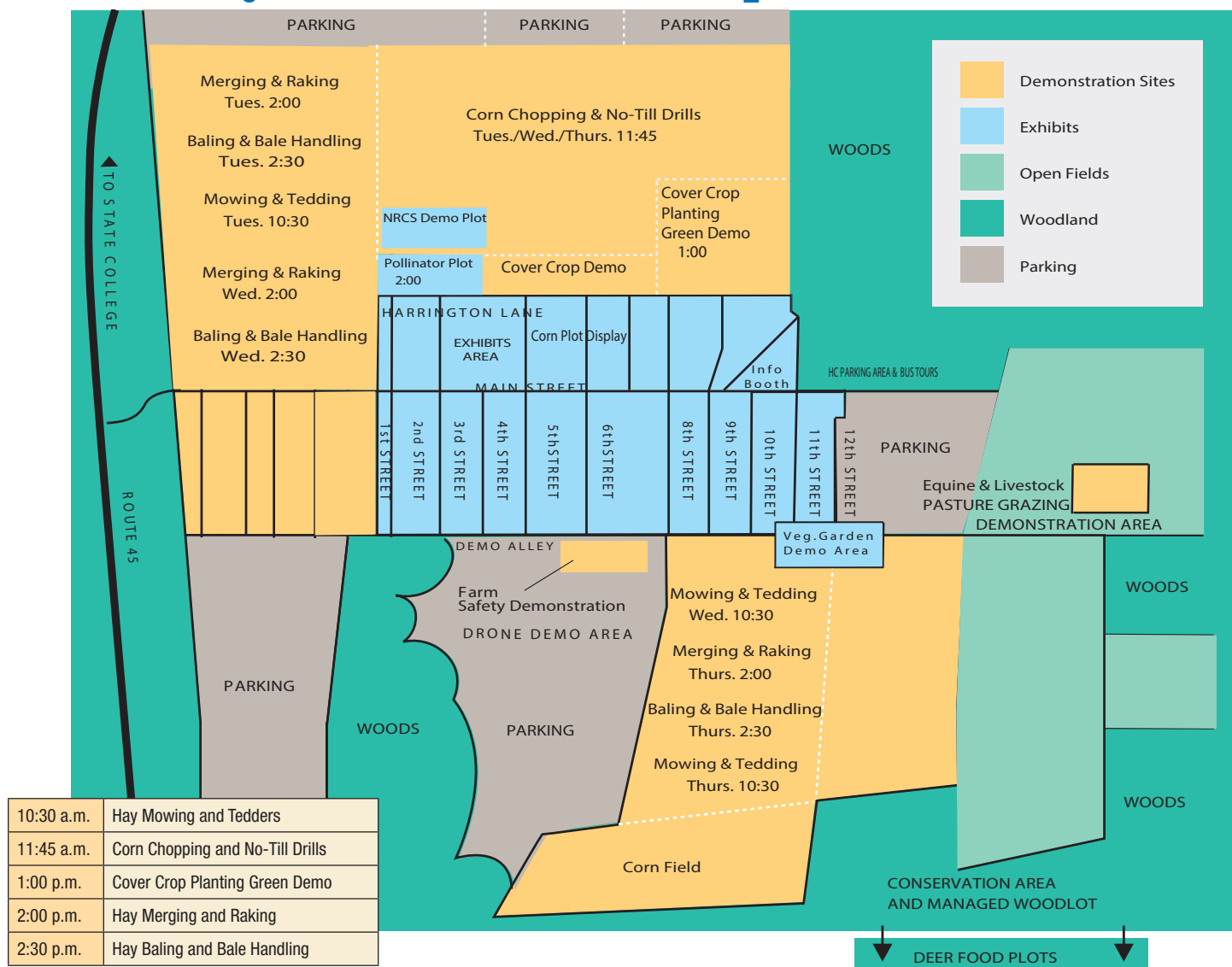
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This publication is available in alternative media on request.

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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 highlight a safety topic important to the everyday lives of farm families. This year, learn about the hazards of operating farm tractors and effectiveness of **Rollover Protective Structures (ROPS)**. A full-size tractor will be used in demonstrating tractor stability and hitching safety. Demonstrations are scheduled for Tuesday and Thursday at 10:00 a.m. and 2:00 p.m., on the site. **Agricultural Rescue Demonstration** will be held Wednesday at 11:00 a.m. and 2:00 p.m. to learn how emergency responders approach an agricultural rescue incident.

NEW! Vegetable Growers Equipment Demo

Showcasing equipment specifically for vegetable growers and a raised-bed demonstration area, buzzing with activities such as no-till cultivation, plastic bed rollers

and laying, harvesting, and planting. Daily equipment demonstrations will be held at 9:30 a.m. with additional times at 2:30 p.m. on Tuesday and Wednesday. The vegetable gardens and equipment are showcased on Demo Alley on W. 9-11th. St. **Produce Food Safety Presentations** are in the tent at 10:30 a.m. daily.

Cover Crop Plots and Pollinator Garden

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 in their company booths for answers to specific questions. **Pollinator Talks** are at 2:00 p.m. daily at the NRCS Demo Plot.

Equipment Demonstrations

This year's new field demonstration will feature **No-Till Drills** at 11:45 a.m. daily. Several of the major equipment companies will have units in the field for producers to

compare them side by side. Visit our **Ride-and-Drive** location in front of West 1st Street to view tractors for large-scale farming operations provided by commercial exhibitors.

Drone Demonstrations

Watch drones in action and learn about their uses in agriculture with Penn State researchers in the demo area at the Farm Safety Demo Area. **Commercial Multirotor Drone Operation** will be featured daily at 9:00 a.m. and Tuesday and Wednesday at 3:00 p.m., in this designated area. On Wednesday, at 2:00 p.m. in the Farm Family Learning Center, a **Discussion on Safety and Operating Policy** will be held.

NEW! Livestock Watering System

See an active demonstration of a solar-powered watering system for your pasture, and talk with Natural Resource and Conservation Services (NRCS) staff at the Conservation Exhibit Area beside the J. D. Harrington Bldg.

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. Visit the photo station to create your own Penn State memory.

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

Visit with Penn State Extension teams from the following departments: Entomology, Plant Science, Veterinary Science, and Ecosystems Science and Management to learn about new research and Extension resources.

United Farm Family Learning Center Main Street and East 9th Street below the Pasto Museum

Explore new alternative energy opportunities. Penn State Extension will offer their expertise at their Tuesday Seminars. Please stop by to find out more about the **Emergence of Biochar** as an Ag Commodity in the morning. In the afternoon, learn about **Local Oilseed Production and Biodiesel Fuel**. Other presentations scheduled in this facility include research updates on **Hemp, Hops, Warm Season Grasses, Animal Health, and Spotted Lanternfly**.

Crops, Soils, Plants, and Energy Conservation

Joseph D. Harrington Crops, Soils, and Conservation Building East 5th Street

Visit a variety of exhibits and demonstrations on how best to manage our natural resources and wildlife. Specialists from Penn State and other organizations will answer your crop production, weed identification, water quality, and biofuel questions. See the state's best hay samples in the hay show and visit the conservation and wildlife displays, the corn maze, and a display of innovative equipment for no-tillage production.

Conservation Exhibit Area Harrington Lane will host several new demonstration plots:

- **Warm Season Grasses Association**
New exhibit in CEA this year, and they will also present the research results of the SARE grant on the topic of **Single-Producer-Scale Preparation of Warm Season Grass for Poultry Bedding**. The panel of commercial representatives and Extension staff will lead the discussion in the Farm Family Learning Center on Wednesday at 3:00 p.m.

- **Livestock Watering System**
Stop by to check out the Solar-Powered Watering System for some ideas for your farm, whether you are grazing your animals or just supplying a watering source for your herd while grazing. NRCS staff will be available to talk with you about your specific conservation needs for your operation.
- **Beneficial Insects at the Pollinator Garden**
Find out how to manage your farmland for a wide variety of beneficial insects that are the natural enemies of crop pests and weeds. Learn how to attract and retain helpful predators by providing some of the key resources they require to survive on your farm. Many of these practices benefit pollinators and other wildlife. Attend talks each day at 2:00 p.m.

Family, Youth, and Health Activities

The Family Building Main Street & West 8th Street

Visit the Family Room and experience interactive exhibits that focus on family health, safety, and well-being including the importance of family meal times for healthier eating and conversations to improve well-being. Come in and play games, watch food demonstrations, taste healthy food and drink. Learn about food safety, safe use and storage of pesticides, and first aid and firearm safety tips. The various exhibits are sponsored by Penn State Extension teams: Food, Families and Health, Food Safety and Quality, Nutrition Links, and Pesticide Education Program. Joined by Penn State University Police Community Education Program and Food Science researchers.

The 4-H Youth Building Main Street and West 8th

Children and youth can learn about the many interactive activities offered by 4-H clubs. Featuring hands-on activities, demonstrations, or presentations highlighting the **Expressive Arts Projects**. Weave a friendship bracelet, sew a quilt or create batik. Visit royalty with the PA Dairy Princess and PA Miss US Agriculture. The Bug Man is back, so lots of creepy crawlies. There is also a fun photo booth, 4-H store, games, and prizes for all youth visitors who participate!

Kids' Climb
Main Street, Relocated South East of Main Horse Arena, at the woods edge.
Kids can safely climb 40-foot-tall trees with ropes and a harness, just like real arborists! Staffed by the Penn State Landscape Contracting alumni and professional arborists. See schedule for times as, volunteers lunch break is required for this high energy activity and will end by 4:00 p.m. daily.

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 birds of prey throughout the day. See schedule for location and times. Visit the Entomology Dept. Butterfly Tent to touch the "Painted Ladies". Birds of Prey presentations have moved inside to the Farm Family Learning Center.

A-Maze-N Corn 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.

Exhibit of the Animal Diagnostic Lab and Reproductive Biology

Dairy and Livestock Tent #1 (D) on W. 13th Street
Discover the teaching, research, and extension presence behind the Animal Science and Veterinary and Biomedical Science programs. Agricultural producers can learn about upcoming extension activities.

Rural Health and Safety Tent End of West 6th Street (next to the Farm Safety Demonstration Area)

Free daily health screenings include stroke assessments and blood pressure readings. Information on preventive dental care, Lyme disease resources, and **Personal Protection Equipment Presentations (11:00 a.m. & 2:00 p.m. daily)**. Additional information provided by local health service organizations and PA Agribility Office.

PA OneStop/AgMap West 10th Street

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

Visit the Penn State Extension Master Gardeners for advice on your plant and pest problems. Get information on disease prevention for your garden, growing fruit trees, and use of growboxes. Gain tips from a flower arranging demonstration and growing herbs and garlic presentations. Don't forget to visit the potato tent growing various varieties and the pollinator plants in the garden. See the observation hive and learn the latest on beehive equipment from Penn State Extension and the PA Beekeepers Association.

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At the Show

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To gain a deeper understanding of the honey bee's daily activities, join the walking tour.

Food Safety Team presents daily at 10:30 a.m. on produce farm regulations to meet food safety audits.

The Equine Experience

The Equine Demonstrations

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 carriage racing, six horse hitch, and miniature horses at the Main Horse Arena.

Pasto Museum

Main Street

Visit the new **Wood and Metal, Tools and Toolmaking for Agriculture** exhibit inside the museum. Share in the learning the history of materials and methods to fashion tools. Our exhibits are always changing. And just outside the building, watch the **Blacksmith Demonstrations** ongoing throughout the show. Learn about the **Historic Greenwood Furnace Charcoal Wagon** from living history interpreters. Visit us in the Auction Tent and find a great deal! Help support the museum by bidding on something special in our **Annual Silent Auction** on Tuesday and Wednesday, with more than 200 items available for bid or cash-and-carry purchase. Bids open on Tuesday at 9:00 a.m. and close promptly at 3:00 p.m. on Wednesday. Stop by to see the latest publications from Penn State Press and meet author, Dr. Sally Mc Murray, to learn about her research for the book *Pennsylvania Farming, A History of Landscapes*.

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:

Ag Student Council (Main and East 8th):

Turkey and Italian hoagies

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

Texas pork rib sandwich, meatball, sausage, hot dogs, pork barbeque, combo meals, and tossed salads

Chief Logan Lions Club

(Main and West 8th): French fries

Fairbrook United Methodist Church

(Main and East 7th):

Breakfast: sausage, home fries, scrambled eggs, pancakes, toast

Lunch: ham sandwiches, burgers, hot dogs, hot sausages, baked beans, applesauce, chips, ice cream, apple dumplings, and peanut butter brownies

Ferguson Township Lions Club

(Main and East 6th):

Breakfast: breakfast sandwiches, donuts

Lunch: hot dogs, bean soup, hot sausage

Harris Township Lions Club

(Demo Alley and West 6th):

Breakfast: danish and coffee

Lunch: pulled pork sandwiches, hot dogs, curly fries, cinnamon buns, soft pretzels, ice cream, and milkshakes

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

Breakfast: Breakfast sandwiches and coffee

Lunch: tossed salads, grilled chicken, hand-pulled pork, hamburger, hot dogs, cheesesteaks, sausage sandwich, French fries, coleslaw, fruit cup, and Penn State Berkey Creamery ice cream

Pa. Beekeeping Association

(Main and East 1st): honey ice cream and honey products

Pa. Cattleman's Association

(Main and West 8th): prime rib sandwiches, cheesesteak hoagie, beef & cheddar sandwich, onion rings, cowboy beans, and coleslaw

Pa. County Agents Association

(West 12th below equine area):

Fried Mushrooms...are back!

Pulled pork sandwiches, meatball subs, and snacks (chips, pretzels, candy, etc.)

Pa. Dairy Princess and Promotions

(Main and East 8th): grilled cheese sandwiches, yogurts, and floats

Pa. FFA Foundation

(Main and East 8th):

Breakfast: breakfast sandwiches and coffee

Lunch: cheese and pepperoni pizza, pulled pork sandwiches, sausage, hot dogs, cheesesteak sandwich, beans, applesauce, fruit cup, chips, and hand squeezed lemonade

Pa. Jr. Guernsey Breeders

(Main and East 7th): milkshakes

Pa. Maple Producers

(Main and West 8th): maple cotton candy, syrup, sugar candy, sugar, coated nuts, sundaes, milkshakes, and maple lemonade. PA Maple products.

