



PennState
College of Agricultural Sciences

Ag Progress Days

PROGRAM GUIDE

August 15–17, 2017

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



Contents

Welcome

General Information

What's New	1
Special Presentations	1
Mapping and Booth Label Reference Guide	2
Locations Abbreviation Key for Exhibits	2
Exhibitors and Location Listing	2-4
Building and Tent Maps	4-6
Tours	7
Exhibit Area Maps	8-11
Daily Schedule/Event Tables	12-19
Machinery Demonstration Map and Schedule	20
At the Show	21
Food Concessions	Back Page

Welcome to Ag Progress Days!

We are pleased to have you as our guest at the Russell E. Larson Agricultural Research Center for this 42nd 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 back 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: Maple Products Food Booth has relocated to Main and West 8th. Curly fries are now on Demo Alley. PSU Water Extension Team and Ag and Environmental Center have relocated to the College Exhibit Building as featured exhibits. No Farm Safety Quiz Bowl this year.

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

- ▶ Tour of Industrial Hemp Research Plots and presentations
- ▶ Tour Adaptive Grazing Soil Health
- ▶ Tour of Farms at Russell Larson Research Facility, Wed. only
- ▶ Tour of Stream Buffers and Native Grasses
- ▶ Modern Day, Small Scale Charcoal Making Demonstration
- ▶ Antibiotic Resistance on Farms – What's the Issue? Presentation
- ▶ Ag Olympics PDA vs. PSU Wednesday at 5 p.m.
- ▶ What can we do to protect our Water?

Pennsylvania is blessed with 86,000 miles of rivers and streams. These streams flow through farms and backyards, cities and towns. No matter where you live, you have a role to protect our water. Visit the College Exhibits Building to find out how. Featured exhibits include:

- **Best Management Practices on PA Farms**, Penn State Extension Field and Forage Crops Team
- **Integrating Land and Water Stewardship**, Penn State Environment and Natural Resources Institute
- **PA Watershed and Drinking Water**, Penn State Extension Renewable and Natural Resources Team
- **Opportunities for Installing Streamside Forest Buffers**, Center for Private Forests at Penn State



Special Presentations on the Grounds

Water Quality Presentations

Sponsored by Penn State Cooperative Extension (see schedule for times)

College Exhibit Building, (Main & W. 10th St.)

- PA Conservation Survey
- It Takes a Watershed: Restoring Pennsylvania's Streams
- Pennsylvania Agriculture and the Chesapeake Bay: What's on the Horizon
- Investigating Stream Health using FISH
- Cheap and Easy Stream Restoration with Live Stakes
- Is There Lead in Your Drinking Water?
- Keeping Pesticides out of Ground Water
- PA Aquatic Invasive Species
- Trees for Trout: Opportunities for Installing Streamside Forest Buffers

Innovations in Ag Technology

Farm Family Learning Center, offered daily at 10:30 a.m.

Learn about guidance systems for sprayers and drones used in Agriculture.

Ag Forum: Town Hall with Dean Roush & Secretary Redding

College Exhibits Bldg., Tuesday at 10:30 a.m.

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

Preparing your Produce Farm for Food Safety

Yard and Garden Area

Sponsored by the Penn State Cooperative Extension–Food Safety (see schedule for times)

Ag Business Presentations

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

Sponsored by AgBiz Masters

Barnyard Discussion:

Policy Issues and the State of Pennsylvania Agriculture

Theater of the College Exhibit Building, Wednesday at 3:30 p.m.

Congressman Glenn 'GT' Thompson will be hosting a public forum. This forum is an opportunity to hear directly from several stakeholders representing various sectors of Pennsylvania agriculture.

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 companies 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.

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 Pavillion (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	Main and W. 13th St.
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.
Y	Youth Building	W. 8th St.
YG	Yard and Garden Area	W. 11th St.



Exhibitors and Location

Company Name	Booth Information	
A		
A1 INFRARED/POWERHOUSE	E520A	AMOS LIVESTOCK EQUIPMENT...W11-105
ABC YORK	E615	ANDERSON GROUP
ABILENE MACHINE.....	EC212	..... W307
ADAMS SUPPLY	W848	ANTIQUE TRACTORS
ADM CROP RISK SERVICES	A210	..... M101
AFI MILK	D310	APV AMERICA
AG ANALYTICAL SERVICES LAB	J300	..... G114
AG CHOICE FARM CREDIT	A101	ASPEN WILLOW BOOKS
AGCO.....	E117	..... EB5
AGRI-DYNAMICS	D113	ATLANTIC QUALITY PARTS
AGRI-KING	W911	..... L204
AGRI-NUTRITION CONSULTING	L301	AUGUSTA SEED.....
AGRI-PLASTICS MFG.....	W856	..... E529
AGRI-SC.....	A512	AUTOMATIC FARM SYSTEMS.....
AGRI-TRAC US	L111	..... E321
AGROCHEM	G115	
AKE SAFETY EQUIPMENT	A112	B
ALL AROUND FENCE	W528	B & R FARM EQUIPMENT.....
ALLEGHENY AG	W833	..... W547
ALLENSVILLE PLANING MILL.....	W101	BAD DOG TOOLS.....
ALTERNATE HEATING SYSTEMS.....	W204	..... EC405
AMERIAG	W817	BAILEYS
AMERICAN ANGUS ASSOC.....	D107	..... W336
AMERICAN DAIRY ASSOC NE.....	D203	BAKER AG-LIME.....
AMERIGAS PROPANE.....	E512, PFB	..... A312
		BASTIAN TIRE & AUTO CENTERS.....
		..... W125
		BECO EQUIPMENT.....
		..... W121
		BEILER-CAMPBELL REALTOR
		..... A510
		BELCO RESOURCES
		EQUIPMENT
		..... W10-113
		BENDER ENTERPRISE
		..... E608
		BERGMAN MFG
		..... EC105
		BEST LINE EQUIPMENT
		..... W217
		BILLTOWN PUMPS
		..... W507
		BINKLEY & HURST
		..... W213, W301
		BLAIN SUPPLY
		..... W11-113
		BOBCAT OF STATE COLLEGE.....
		..... W123
		BOYD STATION.....
		..... EC505
		BRUTE FORCE.....
		..... W10-105

PA BUREAU OF ANIMAL HEALTH	M118, PDA	CHRISTIAN FARMERS OUTREACH... EC114
PA BUREAU OF FOOD DIST.....	M118, PDA	CLARKS AG SUPPLY
PA BUREAU OF FOOD SAFETY .M118, PDA		..... W913
BUSINESS LEASE CONSULT.....	EC205	CLEAN CUTTER HAIL & TILLER
BWS MFG	DA106	BLADE
		..... EC112
C		CLEANFIX NA LTD
C & C SPECIALTIES.....	W424	..... A309
C K MFG	W924	CLEARSPAN FABRIC STRUCT
CADCO-CONGDON ASSOC DIST	W205	..... A310
CALLICRATE BANDERS.....	L114	CLEVELAND BROTHERS
CANNS-BILCO DIST.....	W825	..... E110
CARL NEUTZEL SERVICES	E209	CNY FARM SUPPLY.....
CASE IH	E215	..... W610
CDL USA	E106A	CONESTOGA BUILDINGS
CEDAR CREST EQUIPMENT	E528	..... W906
CEN-PE-CO (CENTRAL PETRO CO)...	W510	CONESTOGA MFG
CENTER FOR DAIRY EXCELLENCE	D105	..... W415
CENTRAL HYDRAULICS	W115	CONEWANGO PRODUCTS
CENTRE COUNTY 4-H.....	W807B, Y	..... L104
CENTRE CNTY ANIMAL RESPONSE	W13-110	CONKLIN CO
CENTRE HOMECARE	DA138, HS	..... A305
CHANNEL.....	E624	COUNTRY CLIPPER/SHIVERS
CHARVIN FARM	D317	..... W222
CHEMGRO.....	L113	COUNTRY FOLKS
CHESAPEAKE BAY FOUNDATION.....	J304	..... L317
		COUNTRY VIEW FAMILY FARMS
		..... EC208
		COWCO.....
		..... W609
		COWKÜHLERZ.....
		..... W526
		CROPCARE.....
		..... W917
		CROWN ROYAL STOVES/
		GREENTECH
		..... W323
		CUSTOM FAB TRAILERS
		..... W13-106
		D
		D H WELDING
		..... W221
		DAIRY FARMERS OF AMERICA.....
		..... D306
		DAIRY ONE.....
		..... D305
		DAIRYMASTER USA.....
		..... W11-108
		DAUMS CUSTOM FABRICATION ..
		..... W10-123

Exhibitors and Location

DAVE HEATH ASSOC/FAE E213
 DEEP VALLEY FARM D114
 DEER COUNTRY FARM & LAWN W625
 DELAVAL W11-101
 DELAWARE VALLEY UNIVERSITY A505
 DIGI-STAR EC308
 DILLER AG EQUIPMENT W411
 DION-AG H103
 DISCOUNT HYDRAULIC HOSE EC410
 DK HOSTETTLER E301
 DOEBLERS PA HYBRIDS E612
 DONEGAL INSURANCE GROUP A408
 DOTTERER EQUIPMENT W418
 DOUBLE B FARM SUPPLY W11-107
 DUPONT PIONEER E620
 DYNA PRODUCT H101

E
 E M HERR EQUIP W509
 E RISSLER MFG W916
 EASTERN STATES LIVESTOCK
 SYST W10-115
 ELANCO ANIMAL HEALTH W12-108
 ELI FISHER CONSTRUCTION W10-103B
 EMM SALES & SERVICE W100
 ENERGY PANEL STRUCTURES EC111
 ENGINEERING AMERICA W10-110
 ERNST SEEDS CEA11
 ESCH MFG W646
 EVERETT CASH MUTUAL
 INSUR EC201 & 401
 EVERGREEN FENCE H102
 EXCEL INDUSTRIES W314
 EXPERT SEPTIC W13-100

F
 FARM & LAND REALTY A501
 FARM FAMILY CASUALTY INSUR EC507
 FARMCO MFG W419
 FARMER BOY AG W518
 FARMET USA H100
 FARMING MAGAZINE A509
 FASTLINE PUBLICATIONS A207
 FEEDMOBILE W914
 FENNIG EQUIPMENT W10-114
 FISHER & THOMPSON W10-124
 FLIEGL E525
 PSU FOOD SAFETY & QUALITY .. W805B, F
 FORD/NEWSCOPE MARKETING DA114
 FOR-MOST LIVESTOCK
 EQUIPMENT W409
 FRED'S TENTS & CANOPIES E115
 FREY BROTHERS W305
 FULTON BANK NA EC403
 FUR & FEATHERS 4-H CLUB W807B, Y

G
 GERINGHOFF W303
 GLATFELTER A110
 GOOD TIME 4-H CLUB W807B, Y
 GOODVILLE MUTUAL CASUALTY A405
 GRASSWORKS MFG W10-108
 GREAT PLAINS MFG W308
 GREEN MOUNTAIN ENERGY G111
 GRO-MOR PLANT FOOD EC408
 GROWERS MINERAL SOLUTIONS W600
 GROWMARK FS/DEKALB E625

H
 H & S MFG W619
 H G DISTRIBUTING W111
 HALE TRAILER BRAKE & WHEEL W108

HAMILTON EQUIPMENT E109
 HC QUALITY DOORS G107
 HEATMASTER/STEELTECH W317
 HERSHEY EQUIPMENT W406
 HERSHEY PARK E512, PFB
 HOARDS DAIRYMAN D205
 HOME SOLUTIONS G103
 HOOBER W201
 HOOVER INDUSTRIAL G108
 HOOVER TRACTOR W841
 HORIZON PROD./ZERK ZAPPER L203
 HOSTETTER REALTY EC302
 HUBNER SEED E621
 HUD-SON FOREST EQUIPMENT W836
 HURLEY AUCTIONS EC411

I
 I & J MANUFACTURING W933
 IBA W921
 INDEPENDENT AG EQUIP W511
 INNOVATIVE DAIRY SOLUTIONS .. W10-118
 INT HARVESTER COLLECTORS M104
 INTERNATIONAL STOCK FOOD EC311
 IVA MFG W10-107

J
 JACKY BINS USA E605
 JAMESWAY FARM EQUIPMENT E317
 JEFFERSON COUNTY 4-H W807B, Y
 JOES MACHINERY W514
 JOHN DEERE W519
 JOHN DEERE COMMERCIAL W535
 JONESTOWN AG SUPPLY W918
 JS KNOTTS E609
 JTJ MFG E106B

K
 KAUFFMANS ANIMAL HEALTH L101
 KENCOVE FARM FENCE
 SUPPLIES W10-111
 KENT NUTRITION GROUP W13-116
 KEYSTONE CONCRETE PRODUCTS .. W919
 KEYSTONE GROUP AG SEEDS E616
 KINGS AGRISEEDS L102
 KIRBY AGRI G101
 KISH VALLEY ELECTRIC/
 HEATMOR W11-111
 KREPS SERVICE STATION W11-124
 KUBOTA TRACTOR E333
 KUHN NORTH AMERICA W845
 KUHN'S MFG W216

L
 LANCASTER AG PRODUCTS L308
 LANCASTER DAIRY
 AUTOMATION W11-112
 LANCASTER DHIA L306
 LANCASTER FARMING A301
 LANCO/PENNSLAND D312
 LANCO MFG W622
 LAND O LAKES D302
 LAND PRIDE E325
 LANDOLL W613
 LANSING TRADE GROUP L110
 LAPP MILLWRIGHT W116
 LAW OFFICES OF JAMES CLARK EC202
 LAWN & GOLF SUPPLY W801
 LAWN CARE DIST DA109
 LEADERS FARM EQUIPMENT W642
 LEGACY TRUCK CENTERS W601
 LEIDEN LAND & CATTLE W852
 LEZZER LUMBER W119

LIQUTUBE MARKETING INTERNAT.... A407
 LONG ACRES POTATO FARMS..... W11-103

M
 M & T BANK E512, PFB
 M H EBEL W816
 M M WEAVER-CLAAS E517
 MAHINDRA USA E536
 MAHONING OUTDOOR
 FURNACE W10-119
 MANITOU E351
 MARTIN CONSTRUCTION D211
 MARTIN TRUCK BODIES W414
 MARTIN WATER CONDITIONING L206
 MASCHIO GASPARDI, NA W615
 MATLICK METAL WORKS W904
 MB ATTACHMENTS E122
 MCFARLANE MFG W504
 MD & VA MILK PRODUCERS D207
 MENSCH MFG W407
 MESSICKS W800
 METZLER AUTO TRUCK & TRAILER .. W327
 METZLER FOREST PRODUCTS A205
 MEYER MFG W107
 MID-ATLANTIC HIGHLAND CATTLE ... L305
 MID-ATLANTIC MASTER FARMERS... A105
 MID-ATLANTIC WATER-PROOFING... L207
 MILLCREEK MFG E214
 MILLNER/HAUFEN TOOL CO A212
 MILLVILLE MUTUAL INSURANCE ... EB1
 MIRACO W11-116
 MORTON BUILDINGS E600
 MOUNT NITTANY HEALTH DA138, HS
 MOUNTAIN AIR GARAGE DOORS W214
 MOUNTAIN SUPPLY/P LEMIN W634
 MR TOOL E100
 MT UNION SUPPLY/
 RITTENHOUSE W10-100
 MURRAY SECURUS EC102
 MUSCLE PRODUCTS EC104
 MYERS FARM W501

N
 NACHURS A404
 NASF L106
 NATIONAL DAIRY PRODUCERS D116
 NATIONAL FARMERS ORG D206
 NATIONWIDE INSURANCE E512, PFB
 NELSON & SONS CONCRETE L314
 NEW HOLLAND E201
 NEXTIRE W10-104
 NOLTS POWER EQUIP W408
 NORTH CENTRAL SIGHT DA138, HS
 NORTHEAST IMPLEMENT W319
 N. TIER HARDWOOD ASSOC J102
 NORTHWEST SAVINGS BANK L310
 NORWOOD SALES E102
 NRG E512, PFB
 NTH /N-TECH -TROOP EQUIP W422
 NUHN INDUSTRIES W920

O
 ORGANIC VALLEY D111
 OXBO INTERNATIONAL W618

P
 P BRADLEY & SONS W524
 PA ARABIAN HORSE ASSOC EB3
 PA ASSOC CONSERVATION DIST J106
 PA ASSOC FOR SUSTAINABLE AG J209
 PA ASSOC OF COUNTY FAIRS A109
 PA BEEF COUNCIL L116

PA BUREAU OF FARMLAND
 PRESERV M118, PDA
 PA BUREAU OF PLANT
 INDUSTRY M118, PDA
 PA CATTLEMENS ASSOC L118
 PA CENTER FOR BEEF
 EXCELLENCE L117
 PA CERTIFIED ORGANIC J309
 PA CHAPT. AMER CHESTNUT
 FDN W11-102
 PA CHAPT. CONSULTING
 FORESTERS A108
 PA CORN GROWERS ASSOC A503
 PA DAIRY PRINCESS & PROMOTION . D201
 PA DCNR BUREAU OF FORESTRY J105
 PA DEER FARMERS ASSOC J202
 PA DEPT OF AG M118, PDA
 PA DEPT OF AG - ECONOMIC
 DEV M118, PDA
 PA DEPT OF ENVIRON.
 PROTECTION J401
 PA EQUINE COUNCIL EB4
 PA FARM BUREAU E512, PFB
 PA FARM LINK A412
 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 GROUND WATER ASSOC J405
 PA HARDWOOD DEV COUNCIL W11-100
 PA LLAMA & ALPACA ASSOC L212
 PA MILK MARKETING BOARD EC501
 PA NO-TILL ALLIANCE CEA01
 PA OFFICE OF RURAL
 HEALTH DA138, HS
 PA ONE CALL SYSTEM A411
 PA ONE STOP W10-101
 PA PORK PRODUCERS COUNCIL A106
 PA PREFERRED M118, PDA
 PA QUALITY DEER MANAGEMENT ... J204
 PA SHEEP & WOOL GROWERS
 ASSOC D101
 PA SHORTHORN BREEDERS ASSOC .. L304
 PA SIMMENTAL ASSOC L201
 PA SOYBEAN BOARD A107
 PA STATE GRANGE A402
 PA VEGETABLE GROWERS ASSOC... EC211
 PA WOMENS AG NETWORK J208
 PA YOUNG FARMERS ASSOC EC504
 PABODY AGENCY A307
 PARADISE ENERGY SOLUTIONS W908
 PATZ CORPORATION E504
 PAUL MUELLER W927
 PEDIGREE CHICKS EC107
 PENN JERSEY PRODUCTS W503
 PENN STATE CONSTRUCTION E601
 PENTA EQUIPMENT E202
 PEQUEA MACHINE W555
 PERDUE AGRIBUSINESS A208
 PERMA COLUMN EAST E611
 PETERSHEIMS COW
 MATTRESSES W10-109
 PIK RITE W11-106
 PINE HILL MFG/TRAILER E513
 POETTINGER US E112
 POTTER COUNTY 4-H W807B, Y
 POWER SYSTEMS ELECTRIC W417
 PRAXAIR W120
 PRAZI USA EC310
 PREGENEX D210

(continued on next page)

Exhibitors and Location

PRIEFERT RANCH EQUIP/
CLAYCOMB W512
PRO FLEET CARE W114
PROSSER POWER GROUP..... W10-130
PROVITA ANIMAL HEALTH..... D208
PSU AG & ENVIRON CENTER..... J407, C
PSU AG SAFETY & HEALTH DA140
PSU AG SCIENCES EXHIBIT..... M116B, C
PSU AG SCIENCES UNDERGRAD
ED..... M116B, C
PSU AGRABILITY DA136
PSU ANIMAL SCIENCE-DAIRY
NUTR W13-112
PSU BEEKEEPERS W11-117 YG
PSU BIOFUELS ENERGY GROUP..... J408
PSU CENTER DIRT & GRAVEL RDS.... J201
PSU CENTER FOR PRIVATE
FORESTS M116B, C
PSU CORN PLOT E706
PSU CROP MGMT EXT DISPLAY CEA05
PSU DAIRYMAN'S CLUB C
PSU ENVIRON. RESOURCE MGMT..... J406
PSU EQUINE EXHIBITS W13-115
PSU EXT 4-H YOUTH W807B, Y
PSU EXT AG & ENVIRON
CENTER M116B, C
PSU EXT AG BUSINESS..... A507
PSU EXT ANIMAL SCIENCE..... D104
PSU EXT FAMILY LIVING..... W805B, F
PSU EXT FOOD SCIENCE..... W11-117 YG
PSU EXT FOOD-DINING W/
DIABETES W805B, F
PSU EXT FOOD-MEDIT CUISINE. W805B, F
PSU EXT FOOD-SAFETY W805B, F
PSU EXT FOOD-VIVA
LAS VEGGIES..... W805B, F
PSU EXT MARCELLUS J200
PSU EXT NATURAL RESOURCES J107
PSU EXT NUTRIENT MGMT J307
PSU EXT NUTRITION LINKS W805B, F
PSU EXT VEGETABLE/HORT...W11-117 YG
PSU EXT WATER RESOURCES..... J411, C
PSU FIELD & FORAGE..... J108, C
PSU HAY SHOW.....J113, J211
PSU MASTER GARDENERS... W11-117 YG
PSU MASTER WELL OWNERS..... J404
PSU ON-FARM RESERACH..... J109
PSU PESTICIDE EDUCATION W805B, F
PSU PLANT PATH & ENVIR
MICRO W807B, Y
PSU PLANT SCIENCE WEED ID J207
PSU POLICE OUTREACH W805B, F
PSU POTATO GROWERS W11-117 YG
PSU PRESS P
PSU SHAVERS CREEK W803
PSU STATE 4-H PROGRAMS W807B, Y
PSU SUSTAINABLE AG..... J410

Q
QUALITY CRAFT TOOLS W416

R
RADIO - WTLR..... M116
REAMSTOWN MUTUAL INSUR EC204
REBELS CONSTRUCTION..... L209
RED ANGUS ASSOC OF AMERICA..... L312
REINECKER AG..... D314
RHINO AG..... E200
ROTO-MIX E108
RURAL COMMUNITY INSUR EC109
RYDER SUPPLY W626

S
S I DISTRIBUTING..... W212
SA FENCE EQUIPMENT DA122
SALSCO W127
SAM FISHER AG CURTAINS..... W10-103A
SAMASZ NA /BM DIST..... W633
SCHAEFFER MFG A513
SCHNUPPS GRAIN ROASTING..... L316
SEEDWAY E628
SELECT SIRE POWER D301
SHADY LANE CURTAINS W909B
SHOUP MFG..... A303
SHOWEASE W923
SHUR-CO A113
SILOSTOP L313
SISCO W405
SKYVIEW TRACTOR REPAIRS DA101
SLAYMAKER GROUP W506
SMUCKERS ENERGY W903
SNYDER EQUIPMENT W423
SOLLENBERGER SILOS W401
SONES GRAIN SYSTEMS W508
STEINER/SCHILLER GROUNDS
CARE E524
STEIN-WAY EQUIPMENT..... W129
STERLING TECHNOLOGY EC402
STEVE SELTZER POWERSPORTS DA126
STEYER SEEDS EC406
STOLTZFUS SPREADERS W605
STOR-LOC EC306
SUKUP MANUFACTURING W311
SUMMIT HILL..... W211
SUN DIRECTED W902
SUNRISE SOLAR EC305
SUPERIOR PLUS ENERGY E118
SYNGENTA..... E632

T
T & B MEDICAL..... W901
T A SEEDS E533
TAM SYSTEMS..... E505
TEAMAG A302
TECH MIX D110
THE DAUGHERTY COMPANIES EC209
THE FERTRELL COMPANY D209
THE ST GEORGE COMPANY D103
TIGERCO DIST..... W926
TIMAC AGRO G100
TITAN IMPLEMENT W551
TOPSTITCH OF NEW YORK D311
TORO - CENTURY EQUIP..... W900
TRACTOR HOUSE/AUCTION TIME... EC303
TRACTOR SUPPLY E103
TRIOLIET BV..... W316
TROUBLE FREE LIGHTING..... EC101
TURF TIME EQUIPMENT..... W118
TWIN VALLEY FARM SERVICE W403

U
UNVERFERTH MFG..... W614
US ARMY CORPS OF ENGINEERS..... J301
USDA APHIS..... M118, PDA
USDA APHIS WILDLIFE SERVICES J303
USDA ARS PASTURE LAB CEA14, J110
USDA FARM SERVICE
AGENCY A502, J111
USDA NAT AG STATISTICS SERVICE .. J308
USDA NATURAL RESOURCE
CONSERV J205, J305
USDA NORTHEAST J210
USDA RURAL DEVELOPMENT A506

V
VALMETAL E313
VAN BEEK NATURAL SCIENCE A410
VERMEER..... W425
VICTORY THERAPEUTIC
HORSEMANSHIP..... EB2

W
WARRIORS MARK FENCING..... W10-117
WEAVER DISTRIBUTING..... EC510
WEAVERLINE W629
WENGERS OF MYERSTOWN W909A
WESTFIELD GROUP EC503
WILD ROSE FENCE E107
WINGFIELD MFG W617
WOOD-MIZER W223
WORKFORCE DEVELOPMENT .. M118, PDA

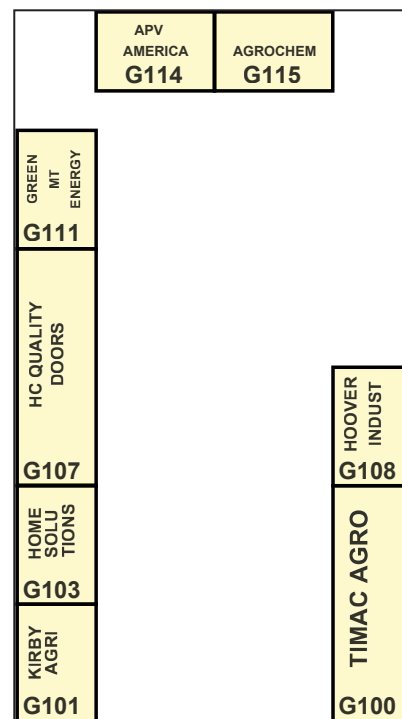
Y
YANMAR AMERICA W104

Z
ZARTMAN FARMS W10-121
ZEISET EQUIPMENT..... W11-109
ZIMMERMAN CATTLE CONTROL..... W915
ZIMMERMAN FARM SERVICE... E500, W500
ZIMMERMANS GLASSLINED
STORAGE W828
ZIMMERMANS HAY W309
ZIMMEYS DIESEL PERFORMANCE ... W206
ZUIDBERG NORTH AMERICA..... W112



Building and Tent Maps

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



Main Entrance

E 5th Street

Building and Tent Maps

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

PA FARM A115	SHUR-CO A113	AKE SAFETY A112	GLATFELTER A110	COUNTY FAIRS A109	CONSULT FORESTERS A108	PA SOYBEAN A107	PORK PRODUCERS A106	MASTER FARMERS A105	AG CHOICE FARM CREDIT A101		
MILLNER-HAUFEN A212		ADM CROP A210	PERDUE AGRIBUSINESS A208	FASTLINE PUBLICATIONS A207	METZLER FOREST A205						
BAKER AG LIME A312	CLEARSPAN A310	CLEANFIX NA LTD A309	PABODY AGENCY A307	CONKLIN A305		SHOUP A303	TEAMAG A302	LANCASTER FARMING A301			
PA FARM LINK A412	ONE CALL A411	VAN BEEK A410	DONEGAL A408	LIQUITUBE A407	GOODVILLE A405	NACHURS A404	PA STATE GRANGE A402				
SCHAEFFER MFG A513	AGRI-SC A512	BEILER-CAMPBELL A510	FARMING MAGAZINE A509	PSU EXT AG A507		USDA RURAL DEV A506	DELAWARE VALLEY A505	PA CORN GROWERS A503	USDA FARM SERVICE A502	FARM & LAND A501	ATM

Main Entrance

Main Street

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

CHRISTIAN FARMERS EC114	CLEAN CUTTER EC112	ENERGY PANEL EC111	RURAL COMM INS EC109	PEDIGREE CHICKS EC107		BERGMAN MFG EC105	MUSCLE PRODUCTS EC104	MURRAY SECURUS EC102	TROUBLE FREE EC101
ABILENE MACHINE EC212	PA VEG GROWERS EC211	DAUGHERTY COMPANIES EC209	COUNTRY VIEW EC208	BUSINESS LEASE EC205	REAMSTOWN MUT INS EC204	JAMES CLARK LAW EC202	EVERETT CASH INS EC201		
INTL STOCK FOOD EC311	PRAZI USA EC310	DIGI-STAR EC308	STOR-LOC EC306	SUNRISE SOLAR EC305	TRACTOR HOUSE EC303	HOSTETTER REALTY EC302	EVERETT CASH MUTUAL EC401		
HURLEY AUCTION EC411	DISCOUNT HYDRAULIC EC410	GRO-MOR PLANT FOOD EC408	STEYER SEEDS EC406	BAD DOG TOOLS EC405	FULTON BANK NA EC403	STERLING TECH EC402			
WEAVER DISTRIBUTING EC510			FARM FAMILY CASUALTY EC507	BOYD STATION EC505	YOUNG FARMERS EC504	WESTFIELD GROUP EC503	PA MILK MARKETING EC501		

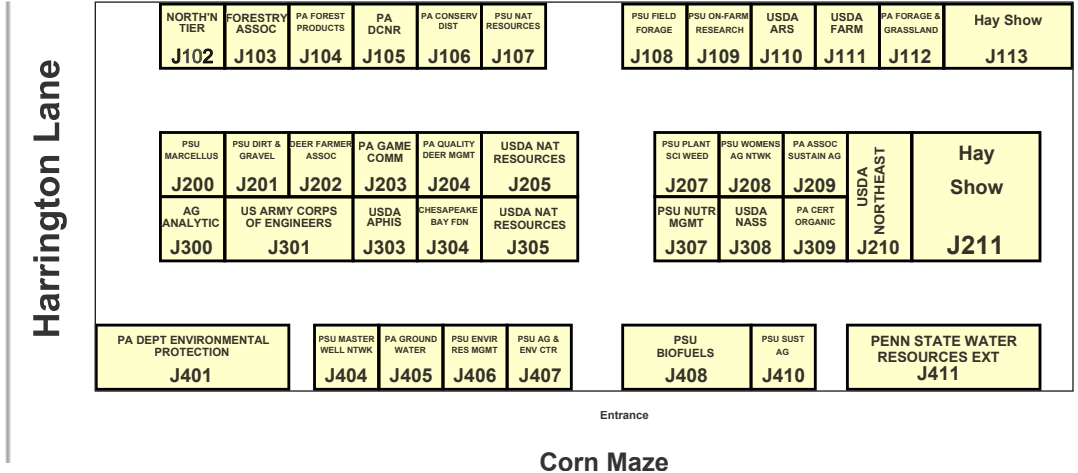
Main Entrance

Main Street

Building and Tent Maps

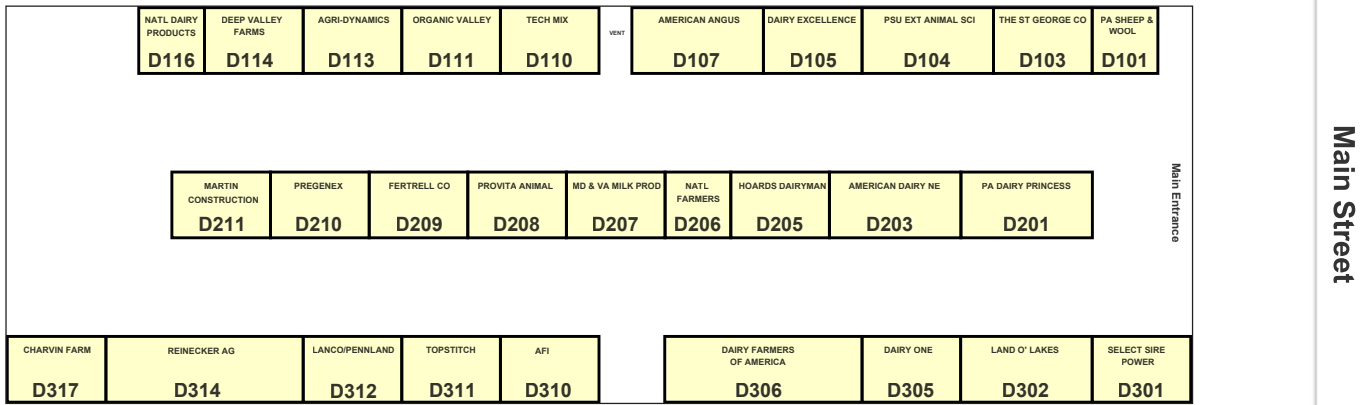


(J) J. D. Harrington Building (East End of E. 5th)

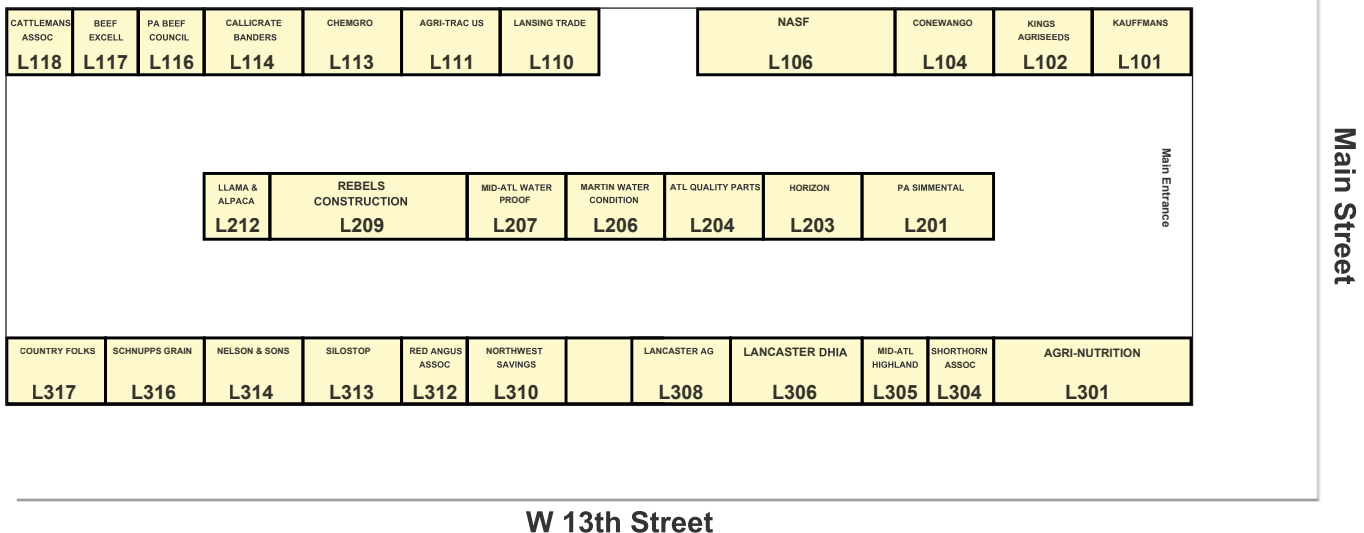


W 12th Street

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



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



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. 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. Note: Walking/standing involved. No restrooms available.</p>
<p>NEW! Industrial Hemp Research (1.5 hour)</p>	<p>This tour will showcase Penn State's first industrial hemp project in more than 60 years. We will discuss some of the crop management issues to consider in hemp production and see some trials that evaluate several varieties of hemp being grown for seed. Participants will also be able to evaluate some hemp produced with no-tillage and also look at the impacts of seeding rates, planting dates and fertilizer rates on commercial hemp production. We will also get an update on potential markets for the crop. 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. Bus leaves daily at 10:30 a.m. and 1:30 p.m. Note: Walking/standing involved. No restrooms available.</p>
<p>NEW! Adaptive Grazing Soil Health (1.5 hours)</p>	<p>Improving your farm's soil health is key in the overall success of your operation; this tour will focus on adaptive grazing management, where tall grass or high stock density grazing can drastically transform mediocre fields into highly productive pastures that can extend the grazing season well into winter. We'll discuss and detail the benefits to frequent animal moves, consideration for fencing and watering as well as the forage benefits to tall grass grazing. In the second half of the tour we'll take about diverse cover crop mixes for use in cropping or grazing systems and how to graze mixes for additional forage. Tour will feature hands-on activities with paddock rotation and fencing/watering system components as well as evaluation of cover crop mixes to get a better look at rooting structure and soil improvement benefits. Bus leaves daily at 10:30 a.m., 12:30 p.m., with additional tours Tuesday and Wednesday at 2:30 p.m. 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. Bus leaves daily at 11:00 p.m. Note: Walking/standing involved. No restrooms available.</p>
<p>NEW! 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. Bus leaves daily at 11:30 p.m. Note: Walking/standing involved. No restrooms available.</p>
<p>Woodlot Management Tour: Decisions and Actions (1.5 hours)</p>	<p>Woodlot management takes time, commitment, and planning. It seems that every decision and activity raises new challenges and opportunities. Come explore the woodlot and gain valuable insights into how management decisions affect future values. The Penn State Demonstration Woodlot is 150 acres in size. It is managed for multiple objectives including: timber production, wildlife habitat, water quality, recreational activities and of course, research and demonstration for education. Forestry and wildlife professionals lead the tours and will be on hand to answer your questions help you find resources to effectively steward Pennsylvania's woodlands. Bus leaves daily at 12:30 p.m. with additional tours Tuesday at 3:30 p.m., Wednesday at 3:30 p.m., and Thursday at 9:30 a.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. Bus leaves daily at 11:00 a.m. and 2:00 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 calf-fed Holsteins as a model for beef production. Observe calf-fed Holsteins that have been implanted and compare them to their pen mates that have not been implanted. Ask questions about implants and their use in cattle to Penn State Extension experts, PA Beef Council and cattle buyers. 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. Bus leaves daily at 9:30 a.m. and 11:30 p.m. with additional tours Tuesday and Wednesday at 1:30 p.m. Note: Walking/standing involved; restrooms will be available.</p>
<p>NEW! Russell Larson Research Facilities (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. Bus leaves Wednesday at 4:30 p.m. Note: Minimal walking involved. No restrooms available.</p>

Ag Progress Days Area Map

GATE M

Exhibitor Parking		DEMO AREA						
Exhibitor Parking		DEMO AREA						
PRAXAIR W120		TURFTIME EQUIP W118	LAPP MILLWRIGHT W116	PRO FLEET CARE W114	ZUID BERG W112	HALE TRAILER W108	YANMAR AMERICA W104	EMM SALES & SERVICE W100

W 1 STREET

STEIN-WAY EQUIP W129	SALSCO W127 COUNTRY CLIPPER W222	BASTIAN TIRE W125	BOBCAT W123	BECO W121 KUHNS MFG W216	LEZZER LUMBER W119 MTN AIR GARAGE DOORS W214	CENTRAL HYDRAULICS W115 SI DIST W212	HQ DISTR W111	MEYER MFG W107	ALLENSVILLE PLANING MILL W10 ZIMMEYS DIESEL W206 ALT HEATING SYST W204
-------------------------	---	----------------------	----------------	-----------------------------------	---	---	------------------	-------------------	---

W 2 STREET

WOOD-MIZER W223	DH WELDING W221	BEST LINE EQUIP W217	BINKLEY & HURST W213	SUMMIT HILL W211 TRIOLIET BV W316	CADCO-CONGDON ASSOC W205 EXCEL W314 GREAT PLAINS MFG W308	HOOBER W201
--------------------	--------------------	-------------------------	-------------------------	--	--	----------------

W 3 STREET

C & C SPECIALTIES W424	NTH N-TECH TROOP W422	METZLER AUTO W327	CROWN ROYAL STOVES W323	NE IMPL-EMENT W319	HEATMASTER W317	QUALITY CRAFT TOOLS W416	MARTIN TRUCK BODIES W414	SUKUP W311	NOLTS POWER EQUIP W408	ZIMMERMANS HAY W309	ANDERSON GROUP W307	FREY BROTHERS W305	GERINGHOFF W303	BINKLEY & HURST W301
---------------------------	--------------------------	----------------------	----------------------------	-----------------------	--------------------	-----------------------------	-----------------------------	---------------	---------------------------	------------------------	------------------------	-----------------------	--------------------	-------------------------

W 4 STREET

VERMEER W423	SNYDER EQUIP W423	FARMCO MFG W419	POWER SYSTEMS W417	CONESTOGA MFG W415	DILLER AG EQUIPMENT W411	FOR-MOST LIVESTOCK W409	MENSCH MFG W407	SISCO W405	TWIN VALLEY W403	SOLLENBERGER SILOS W401
ALL AROUND FENCE W425	COWKÜHLERZ W528	P BRADLEY & SONS W526	FARMER BOY AG W518	JOES MACHINE W514	PRIEFERT RANCH EQUIP W512	CEN-PE-CO W510	SONES GRAIN SYSTEMS W508	SLAYMAKER GROUP W506	MCFARLANE MFG W504	ZIMMERMAN FARM W500

W 5 STREET

PEQUEA MACHINE W555	TITAN IMPLEMENT W551	B & R FARM W547	JOHN DEERE COMERCIAL W535	JOHN DEERE W519	INDEPENDENT AG EQUIP W511	E M HERR EQUIP W509	BILLTOWN PUMPS W507	PENN JERSEY PRODUCTS W503	MYERS FARM W501
------------------------	-------------------------	--------------------	------------------------------	--------------------	------------------------------	------------------------	------------------------	------------------------------	--------------------

W 6 STREET

SKYVIEW TRACTOR REPAIRS DA101	LEADERS FARM EQUIP W642	MOUNTAIN SUPPLY W634	RYDER SUPPLY W626	LANCO MFG W622	OXBO INTERNAT W618	UNVERFERTH MFG W614	CNY W610	INTL HARVESTER M104
----------------------------------	----------------------------	-------------------------	----------------------	-------------------	-----------------------	------------------------	-------------	------------------------

(A) AG CHOICE FARM CREDIT EXHIBIT BLDG

DEMO ALLEY

DEMO ALLEY

BWS MFG
Frontage: 100'
DA106
FORD / NEWSCOPE
DA114

SA FENCE
DA122
STEVE SELTZER POWER SPORTS
DA126

HARRIS TWP.
PSU AGRABILITY
DA136
PA RURAL HEALTH
DA138

GATE K

GATE J



MR TOOL E100	NORWOOD SALES E102	CDL USA E106A	JTJ MFG E106B	ROTO-MIX E108	CLEVELAND BROTHERS E110	POETTINGER US E112	SUPERIOR PLUS ENERGY E118	MB ATTACHMENTS E122
-----------------	-----------------------	------------------	------------------	------------------	----------------------------	-----------------------	------------------------------	------------------------

E 1 STREET

PA BEEKEEPERS E200	TRACTOR SUPPLY E103 RHINO AG E202	WILD ROSE FENCE E107	HAMILTON EQUIP E109	FREDS TENTS E115 MILLCREEK MFG E214	AGCO E117
-----------------------	--	-------------------------	------------------------	--	--------------

E 2 STREET

NEW HOLLAND E201	CARL NEUTZEL E209	DAVE HEATH ASSOC E213	CASE IH E215
---------------------	----------------------	--------------------------	-----------------

E 3 STREET

DK HOSTETLER E301	VALMETAL E313	JAMESWAY FARM EQUIPMENT E317	AUTOMATIC FARM SYSTEMS E321	LAND PRIDE E325	KUBOTA TRACTOR E333	MANITOU E351
ZIMMERMAN FARM E500	PATZ E504	PA FARM BUREAU E512	(G) EXHIBIT BLDG 2 A1 INFRA RED E520A	STEINER / SCHILLER GROUNDS CARE E524	CEDAR CREST EQUIP E528	MAHINDRA NORTH AMERICA E536

E 5 STREET

TAM SYSTEMS E505	PINE HILL MFG / TRAILER E513	M M WEAVER CLAAS E517	FLIEGL E525	AUGUSTA SEED E529	TA SEEDS E533		
ANTIQUE TRACTORS M101	BENDER ENTERPRISES E608	DOEBLERS PA HYBRIDS E612CP	KEYSTONE GROUP AG SEEDS E616CP	DUPONT PIONEER E620CP	CHANNEL E624	SEEDWAY E628	SYNGENTA E632CP
MORTON BUILDINGS E600							

E 6 STREET

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



PA NOTILL ALLIANCE
CEA01

PSU EXT CROP MGMT DISPLAY
CEA05

ERNST SEEDS
CEA11

USDA-ARS
CEA14

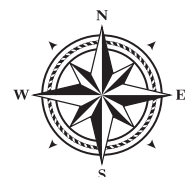
(J) JOSEPH D. HARRINGTON BLDG

(CC) PSU COVER CROP PLOT

(CM) CORN MAZE

HARRINGTON LINE

MAIN STREET



Map Legend on page 11

Ag Progress Days Area Map

W 6 STREET

SAMASZ NA W633	WEAVERLINE W629	DEER COUNTRY FARM & LAWN W625	H&S MFG	WINFIELD MFG W617	LANDOLL W613	COWCO	STOLTZFUS SPREADERS W605	LEGACY TRUCK W601	(EC) EVERETT CASH MUTUAL EXHIBIT BLDG
LAWN CARE DIST DA109 AGRI-PLASTICS MFG W856	LEIDEN LAND AND CATTLE W852	ADAMS SUPPLY W848		MASCHIO GASPARDO W615	HUD-SON FOREST W836	ZIMMER-MANS GLASS-LINED STORAGE W828	MH EBY W816	MESSICKS W800	PA MAPLE PRODUCERS PA DAIRY PRINCESS

W 8 STREET

KUHN NORTH AMERICA W845	HOOVER TRACTOR	ALLEGHENY AG W833	JONESTOWN AG	W829	CANNS-BILCO W825	AMERI AG W817	PSU EXT 4H YOUTH W807B	SHAVERS CREEK TENT W803	LAWN & GOLF SUPPLY W801	CHIEF LOGAN LIONS / PA CATTLEMENS ASSOCIATION	
TIGERCO W926	C K REPLACEMENT STALLS W924	W841	W920	W918	W916	W914	W908	W906	W904	W902	W900
		W841	W920	W918	W916	W914	W908	W906	W904	W902	W900

W 9 STREET

I & J MANUFACTURING W933	PAUL MUELLER W927	SHOW-EASE	IBA W921	KEYSTONE CONCRETE PRODUCTS W919	CROPCARE W917	ZIMMERMAN CATTLE CONTROL W915	CLARKS AG SUPPLY W913	AGRI-KING W911	SHADY LANE CURTAINS W909B	WENGENERS W909A	SMUCKERS ENERGY W903	T & B MEDICAL W901	
PROSSER POWER W10130	FISHER & THOMPSON W10124	W923	INNOVATIVE DAIRY SOLUTIONS W10118	W919	FENNIG EQUIP W10114	ENGR AMERICA W10110	GRASSWORKS MFG W10108	NEX-TIRE W10104	MT UNION SUPPLY W10100	PENN STATE AG SCIENCES EXHIBIT M116B			RADIO WTLR M116

W 10 STREET

DAUNS CUSTOM FABRICATION W10123	ZARTMAN FARMS W10121	MAHONING OUTDOOR FURNACE W11124	WARRIORS MARK FENCING W10117	EASTERN STATES LIVESTOCK SYST W10115	BELCO RESOURCES EQUIP W10113	KENCOVE FARM FENCE SUPPLIES W10111	PETERSHEIMS COW MATTRESSES W10109	IVA MFG W10107	BRUTE FORCE W10105	SAM FISHER AG CURTAIN W10103A	ELI FISHER CONSTR W10103B	PA ONE STOP W10101	OFFICE & FIRST AID STATION
		KREPS SERVICE STATION	MIRACO		LANCASTER DAIRY FARM AUTOMATION W11112	DAIRYMASTER USA W11108	PIK RITE W11106			AMER CHEST NUT FDN W11102	HARD WOOD COUNCIL W11100	PA DEPT OF AG M118	

W 11 STREET

PENN STATE YARD AND GARDEN W11117		BLAIN SUPPLY W11113	KISH VALLEY ELECTRIC - HEATMOR W11111	ZEISET EQUIP W11109	DOUBLE B FARM SUPPLY W11107	AMOS LIVESTOCK W11105	LONG ACRES POTATO FARMS W11103	DELAVAL W11101	CART SERVICE
--------------------------------------	--	------------------------	--	------------------------	--------------------------------	--------------------------	-----------------------------------	-------------------	--------------

W 12 STREET

Exhibitor Parking	(D) DAIRY AND LIVESTOCK TENT 1	(L) DAIRY AND LIVESTOCK TENT 2	KENT NUTRITION GROUP W13116	C.A.R.T. W13110	PSU AG SCI DAIRY NUTR W13112	EXPERT SEPTIC W13100
-------------------	--------------------------------	--------------------------------	--------------------------------	--------------------	---------------------------------	-------------------------

W 13 STREET

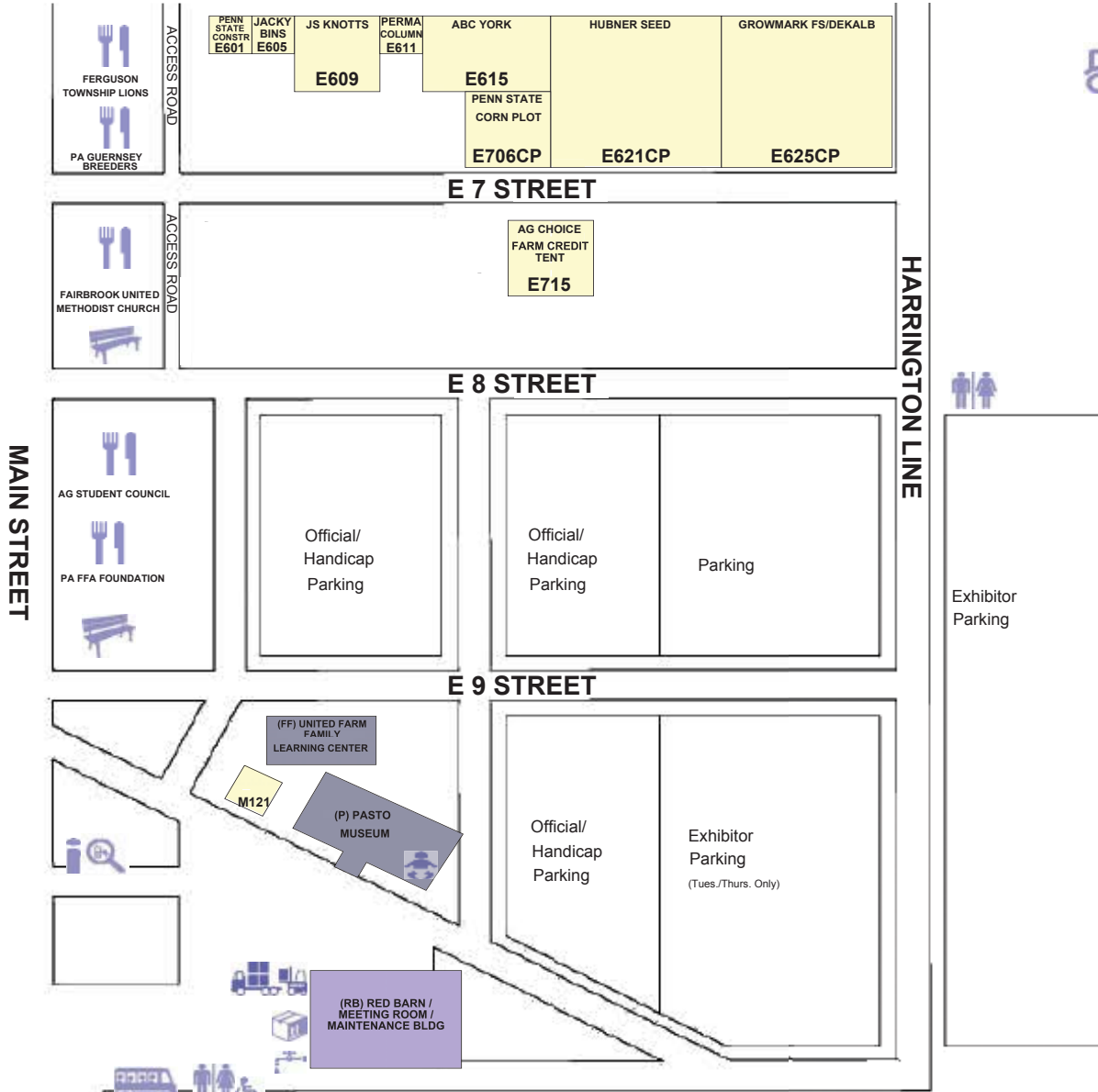
(ET) EQUINE TENT	PENN STATE EQUINE EXHIBITS 2 W13115	(EB) EQUINE EXHIBITS BLDG
------------------	--	---------------------------

PA AG
(MH) MAIN HORSE ARENA

DEMO ALLEY



PSU AG SAFETY & HEALTH DA140



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 15

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

Start Time	Event Title	Icon	Focus	Location
ALL DAY	Cover Crop and Mixtures Plot Demo		Crops, Forage, Hay & Soils	CC
	Interseeding Corn with Annual Forages		Crops, Forage, Hay & Soils	CEA
	Antique Tractor Display		Farm & Food Business	AT
	Home Food Preservation and Consumer Food Safety		Cooking & Food Safety	F
	Viva Las Veggies		Cooking & Food Safety	F
	Dining with Diabetes Sweetener Quiz		Healthy Lifestyle	F
	Mediterranean Cuisine		Cooking & Food Safety	F
	Naturally Flavored Water		Healthy Lifestyle	F
	Protect Yourself from Bloodsuckers!		Healthy Lifestyle	F
	First Aid and Firearm Safety Tips		Healthy Lifestyle	F
	Dental Hygiene Information		Healthy Lifestyle	H
	Free Vision Test		Healthy Lifestyle	H
	Modern Day Small-Scale Charcoal Making Demonstration		Forest Resources	P
	Corn Maze		Family Program	CM
	Hopscotch For Kids		Family Program	PFB
	Kiddie Tractor Pull Contests		Family Program	PFB
	Photo Booth Full of Smiles		Family Program	PFB
9:00 a.m.	Drones in Agriculture Demonstration		Regulations	SD
	Kids' Climb (closed 12:00–1:00 p.m., ends at 4:30 p.m.)		Family Program	K
	Pasto Museum Silent Auction		Pasto Museum	P
9:30 a.m.	Preparing Your Produce Farm for Food Safety		Farm & Food Business	FF
	Century Farm Awards		Farm & Food Business	PDA
	Dairy Beef Feedlot Tour		Livestock	T
10:00 a.m.	PAOneStop/AgMap Erosion and Sediment Planning		Farm & Food Business	AM
	Miniature Horses		Equine	MH
	Canning Pickled Vegetables		Cooking & Food Safety	F
	Free Blood Pressure Readings		Healthy Lifestyle	H
	Free Stroke Assessments		Healthy Lifestyle	H
	Turtles		Shaver's Creek Wildlife	SC
10:30 a.m.	Hay Hole and Farm Safety Demonstration		Ag Safety & Health	SD
	Alfalfa Hay Mowing Demonstration		Crops, Forage, Hay & Soils	ED
	Adaptive Grazing Soil Health		Crops, Forage, Hay & Soils	T
	Innovations in Agricultural Technology		Farm & Food Business	FF
	Ag Forum: A Town Hall with Secretary Redding and Dean Roush		Regulations	CT
	Arena Carriage Events		Equine	MH
	High Tunnel Tour		Home, Lawn & Garden	T
	Plastic Mulch, Drip Irrigation, and Fertigation		Home, Lawn & Garden	YG
11:00 a.m.	Exploring Hemp's Past in Pennsylvania		Farm & Food Business	PDA
	Massaged Kale Salad & Greens Tasting		Cooking & Food Safety	F
	Personal Protection Equipment		Healthy Lifestyle	H
	Short Rotation Woody Crops for Biomass Tour		Renewable & Alternative Energy	T
	Habitat Management for Deer & Wildlife Tour		Wildlife Management	T

Tuesday, August 15

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















Start Time	Event Title	Icon	Focus	Location
11:30 a.m.	Hay Merger with Tedder Demonstration		Crops, Forage, Hay & Soils	ED
	Draft Horse Hitch		Equine	MH
	Dairy Beef Feedlot Tour		Livestock	T
	Shale Energy Fluid Management Practices		Renewable & Alternative Energy	FF
	Multifunctional Stream Buffers and Native Grass Field Tour		Energy & Water	T
	PA Farm Conservation Survey		Energy & Water	CT
	Snakes: Venomous or Not?		Shaver's Creek Wildlife	SC
12:00 p.m.	Brussel Sprouts with Bacon & Onion		Cooking & Food Safety	F
	It Takes a Watershed: Restoring PA Streams		Energy & Water	CT
12:30 p.m.	Hay Hole and Farm Safety Demonstration		Ag Safety & Health	SD
	Antibiotic Resistance on Farms – What's the Issue?		Animals	CT
	No-Till Corn Planter		Crops, Forage, Hay & Soils	ED
	Adaptive Grazing Soil Health		Crops, Forage, Hay & Soils	T
	2017 Update on Renewables in PA Market		Renewable & Alternative Energy	FF
	Woodlot Management Tour		Forest Resources	T
1:00 p.m.	Exploring Hemp's Potential in Pennsylvania		Farm & Food Business	PDA
	Handling and Training the Young Horse		Equine	MH
	Massaged Kale Salad & Greens Tasting		Cooking & Food Safety	F
	First Aid and Firearm Safety Tips		Healthy Lifestyle	F
	Flower-Arranging Demonstration		Home, Lawn & Garden	YG
	2017 Solar PV Offerings		Renewable & Alternative Energy	FF
	Is There Lead in Your Drinking Water?		Energy & Water	CT
	Kids' Climb (closed 12:00–1:00 p.m., ends at 4:30 p.m.)		Family Program	K
	Birds of Prey: Focus on Farmland Raptors		Shaver's Creek Wildlife	SC
1:30 p.m.	Dairy Beef Feedlot Tour		Livestock	T
	High Tunnel Tour		Home, Lawn & Garden	T
	Solar Energy Projects and Agriculture		Renewable & Alternative Energy	FF
	Trees for Trout: Opportunities for Installing Streamside Forest Buffer		Energy & Water	CT
2:00 p.m.	Hay Raking Demonstration		Crops, Forage, Hay & Soils	ED
	Industrial Hemp Research		Crops, Forage, Hay & Soils	T
	PAOneStop/AgMap Erosion and Sediment Planning		Farm & Food Business	AM
	Farmland Preservation Toolbox		Farm & Food Business	PDA
	Pa. State Police Mounted Patrol		Equine	MH
	Canning Pickled Vegetables		Cooking & Food Safety	F
	Personal Protection Equipment		Healthy Lifestyle	H
	Beneficial Insects at Pollinator Garden		Home, Lawn & Garden	CEA
	Energy Resilience on the Farm		Renewable & Alternative Energy	FF
	Cheap and Easy Stream Restoration with Live Stakes		Energy & Water	CT
	Habitat Management for Deer & Wildlife Tour		Wildlife Management	T

Key to Category Icons


Agriculture 	Animals 	Food & Health 	Lawn & Garden 	Natural Resources 	Youth & Family
------------------------	--------------------	------------------------------	------------------------------	------------------------------	-------------------------------

Tuesday, August 15

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

Start Time	Event Title	Icon	Focus	Location
2:30 p.m.	Hay Hole and Farm Safety Demonstration		Ag Safety & Health	SD
	Hay Baling Demonstration		Crops, Forage, Hay & Soils	ED
	Adaptive Grazing Soil Health		Crops, Forage, Hay & Soils	T
	Horsemanship Skills Needed for the Everyday Rider		Equine	MH
	Renewable Energy Credits		Renewable & Alternative Energy	FF
3:00 p.m.	Introduction to Apprenticeships for Ag Equipment Service Technicians		Farm & Food Business	PDA
	Drones in Agriculture Demonstration		Regulations	SD
	Brussel Sprouts with Bacon & Onion		Cooking & Food Safety	F
	Birds of Prey: Focus on Migration		Shaver's Creek Wildlife	SC
3:30 p.m.	Bale Handling Demonstration		Crops, Forage, Hay & Soils	ED
	American Chestnut Foundation Plantings Tour		Forest Resources	T
	Woodlot Management Tour		Forest Resources	T
4:00 p.m.	Pa Ag Surplus System – Connecting Production Ag with Charitable Food Network		Farm & Food Business	PDA
	Snakes: Venomous or Not?		Shaver's Creek Wildlife	SC

Wednesday, August 16

ALL DAY	Cover Crop and Mixtures Plot Demo		Crops, Forage, Hay & Soils	CC
	Interseeding Corn with Annual Forages		Crops, Forage, Hay & Soils	CEA
	Antique Tractor Display		Farm & Food Business	AT
	Home Food Preservation and Consumer Food Safety		Cooking & Food Safety	F
	Viva Las Veggies		Cooking & Food Safety	F
	Dining with Diabetes Sweetener Quiz		Healthy Lifestyle	F
	Mediterranean Cuisine		Cooking & Food Safety	F
	Naturally Flavored Water		Healthy Lifestyle	F
	Protect Yourself from Bloodsuckers!		Healthy Lifestyle	F
	First Aid and Firearm Safety Tips		Healthy Lifestyle	F
	Dental Hygiene Information		Healthy Lifestyle	H
	Free Vision Test		Healthy Lifestyle	H
	Modern Day Small-Scale Charcoal Making Demonstration		Forest Resources	P
	Corn Maze		Family Program	CM
	Hopscotch For Kids		Family Program	PFB
	Kiddie Tractor Pull Contests		Family Program	PFB
	Photo Booth Full of Smiles		Family Program	PFB
9:00 a.m.	Drones in Agriculture Demonstration		Regulations	SD
	Kids' Climb		Family Program	K
	Pasto Museum Silent Auction — <i>Bidding closes at 3:00 p.m.</i>		Pasto Museum	P
9:30 a.m.	Preparing Your Produce Farm for Food Safety		Farm & Food Business	FF
	Keystone Dressage and Combined Training Drill Team		Equine	MH
	Dairy Beef Feedlot Tour		Livestock	T
10:00 a.m. <i>continued on next page</i>	PAOneStop/AgMap Erosion and Sediment Planning		Farm & Food Business	AM
	Pa Ag Surplus System – Connecting Production Ag with Charitable Food Network		Farm & Food Business	PDA
	PA Legislative Meeting		Regulations	CT
	Paso Fino Horses		Equine	MH
	Brown Rice with Pineapple & Shitake Mushrooms		Cooking & Food Safety	F
	Free Blood Pressure Readings		Healthy Lifestyle	H

Wednesday, August 16

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







































Start Time	Event Title	Icon	Focus	Location
10:00 a.m. <i>continued</i>	Free Stroke Assessments		Healthy Lifestyle	H
	American Chestnut Foundation Plantings Tour		Forest Resources	T
	Snakes: Venomous or Not?		Shaver's Creek Wildlife	SC
10:30 a.m.	Hay Hole and Farm Safety Demonstration		Ag Safety & Health	SD
	Alfalfa Hay Mowing Demonstration		Crops, Forage, Hay & Soils	ED
	Adaptive Grazing Soil Health		Crops, Forage, Hay & Soils	T
	Innovations in Agricultural Technology		Farm & Food Business	FF
	High Tunnel Tour		Home, Lawn & Garden	T
11:00 a.m.	Latest Views from the Road Presentation		Farm & Food Business	AP
	Agriculture, Communities, & Rural Environment – Act 39 Outreach		Farm & Food Business	PDA
	Draft Horse Hitch		Equine	MH
	Brown Rice with Pineapple & Shitake Mushrooms		Cooking & Food Safety	F
	Personal Protection Equipment		Healthy Lifestyle	H
	Flower-Arranging Demonstration		Home, Lawn & Garden	YG
	Short Rotation Woody Crops for Biomass Tour		Renewable & Alternative Energy	T
	Habitat Management for Deer & Wildlife Tour		Wildlife Management	T
11:30 a.m.	Hay Merger with Tedder Demonstration		Crops, Forage, Hay & Soils	ED
	Dairy Beef Feedlot Tour		Livestock	T
	Multifunctional Stream Buffers and Native Grass Field Tour		Energy & Water	T
	Turtles		Shaver's Creek Wildlife	SC
12:00 p.m.	Financial Management Tips & Techniques		Farm & Food Business	AP
	Miniature Horses		Equine	MH
	On-Farm Animal Composting Presentation		Livestock	CT
	Santorini Salad		Cooking & Food Safety	F
12:30 p.m.	Hay Hole and Farm Safety Demonstration		Ag Safety & Health	SD
	No-Till Corn Planter		Crops, Forage, Hay & Soils	ED
	Adaptive Grazing Soil Health		Crops, Forage, Hay & Soils	T
	Handling and Training the Young Horse		Equine	MH
	Woodlot Management Tour		Forest Resources	T
1:00 p.m.	Growing and Processing Industrial Hemp, Pennsylvania Hemp Company		Crops, Forage, Hay & Soils	PDA
	Latest Views from the Road Presentation		Farm & Food Business	AP
	Santorini Salad		Cooking & Food Safety	F
	First Aid and Firearm Safety Tips		Healthy Lifestyle	F
	Keeping Pesticides Out of Ground Water		Energy & Water	FF
	Trees for Trout: Opportunities for Installing Streamside Forest Buffer		Energy & Water	CT
	Kids' Climb (closed 12:00–1:00 p.m., ends at 3:00 p.m.)		Family Program	K
1:30 p.m.	Dairy Beef Feedlot Tour		Livestock	T
	High Tunnel Tour		Home, Lawn & Garden	T
	PA Ag and Chesapeake Bay: What's on the Horizon		Energy & Water	CT

Key to Category Icons

Agriculture 	Animals 	Food & Health 	Lawn & Garden 	Natural Resources 	Youth & Family
----------------------------	--------------------	------------------------------	------------------------------	----------------------------------	-----------------------------------

Wednesday, August 16

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

Start Time	Event Title	Icon	Focus	Location
2:00 p.m.	Hay Raking Demonstration		Crops, Forage, Hay & Soils	ED
	Industrial Hemp Research		Crops, Forage, Hay & Soils	T
	PAOneStop/AgMap Erosion and Sediment Planning		Farm & Food Business	AM
	Introduction to Apprenticeships for Ag Equipment Service Technicians		Farm & Food Business	PDA
	Drones in Agriculture Presentation		Regulations	FF
	Arena Carriage Events		Equine	MH
	Sweet Potato Salad		Cooking & Food Safety	F
	Personal Protection Equipment		Healthy Lifestyle	H
	Beneficial Insects at Pollinator Garden		Home, Lawn & Garden	CEA
	Flower-Arranging Demonstration		Home, Lawn & Garden	YG
	PA Farm Conservation Survey		Energy & Water	CT
	Habitat Management for Deer & Wildlife Tour		Wildlife Management	T
	Snakes: Venomous or Not?		Shaver's Creek Wildlife	SC
2:30 p.m.	Hay Hole and Farm Safety Demonstration		Ag Safety & Health	SD
	Hay Baling Demonstration		Crops, Forage, Hay & Soils	ED
	Adaptive Grazing Soil Health		Crops, Forage, Hay & Soils	T
3:00 p.m.	Industrial Hemp: An Opportunity for Rural Pennsylvania		Crops, Forage, Hay & Soils	PDA
	Drones in Agriculture Demonstration		Regulations	SD
	PA State Police Mounted Patrol		Equine	MH
	How to make Dry Beef Jerky		Cooking & Food Safety	F
	Turtles		Shaver's Creek Wildlife	SC
3:30 p.m.	Bale Handling Demonstration		Crops, Forage, Hay & Soils	ED
	State of PA Agriculture – Representative G. Thompson		Regulations	CT
	Paso Fino Horses		Equine	MH
	American Chestnut Foundation Plantings Tour		Forest Resources	T
	Woodlot Management Tour		Forest Resources	T
4:00 p.m.	PA Preferred Game Show		Family Program	PDA
	How to make Dry Beef Jerky		Cooking & Food Safety	F
4:30 p.m.	Russel Larson Farm Tours		Crops, Forage, Hay & Soils	T
	Centre County 4-H Drill Team		Equine	MH
5:00 p.m.	Sweet Potato Salad		Cooking & Food Safety	F
	Ag Olympic Games		Family Program	SD
	Birds of Prey and Monarchs		Shaver's Creek Wildlife	SC
6:00 p.m.	Draft Horse Hitch		Equine	MH
	Keystone Dressage and Combined Training Drill Team		Equine	MH
	Capital Area Therapeutic Riding: Salute to America		Equine	MH
	Peach & Other Salsas		Cooking & Food Safety	F
	The Axe Whisperer		Pasto Museum	P
6:30 p.m.	Birds of Prey: Owls		Shaver's Creek Wildlife	SC

Thursday, August 17

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

Start Time	Event Title	Icon	Focus	Location
ALL DAY	Cover Crop and Mixtures Plot Demo		Crops, Forage, Hay & Soils	CC
	Interseeding Corn with Annual Forages		Crops, Forage, Hay & Soils	CEA
	Antique Tractor Display		Farm & Food Business	AT
	4-H Horse Quiz Bowl Competition		Equine	EB
	Home Food Preservation and Consumer Food Safety		Cooking & Food Safety	F
	Naturally Flavored Water		Cooking & Food Safety	F
	Viva Las Veggies		Cooking & Food Safety	F
	Dining with Diabetes Sweetener Quiz		Healthy Lifestyle	F
	Mediterranean Cuisine		Cooking & Food Safety	F
	First Aid and Firearm Safety Tips		Healthy Lifestyle	F
	Dental Hygiene Information		Healthy Lifestyle	H
	Free Vision Tests		Healthy Lifestyle	H
	Protect Yourself from Bloodsuckers!		Home, Lawn & Garden	F
	Modern Day Small-Scale Charcoal Making Demonstration		Forest Resources	P
	Corn Maze		Family Program	CM
	Hopscotch For Kids		Family Program	PFB
	Kiddie Tractor Pull Contests		Family Program	PFB
	Photo Booth Full of Smiles		Family Program	PFB
9:00 a.m.	Introduction to Apprenticeships for Ag Equipment Service Technicians		Farm & Food Business	PDA
	Drones in Agriculture Demonstration		Regulations	SD
	Kids' Climb (9:00 a.m.–Noon)		Family Program	K
9:30 a.m.	Dairy Beef Feedlot Tour		Livestock	T
	Investigating Stream Health using FISH – new PSU Citizen Science Tool		Energy & Water	CT
	Woodlot Management Tour		Forest Resources	T
10:00 a.m.	PAOneStop/AgMap Erosion and Sediment Planning		Farm & Food Business	AM
	Preparing Your Produce Farm for Food Safety		Farm & Food Business	CT
	Teaching Miniature Horses to Drive		Equine	MH
	Peach & Other Salsas		Cooking & Food Safety	F
	Free Blood Pressure Readings		Healthy Lifestyle	H
	Free Stroke Assessments		Healthy Lifestyle	H
	Pollinators		Home, Lawn & Garden	PDA
	American Chestnut Foundation Plantings Tour		Forest Resources	T
Snakes: Venomous or Not?		Shaver's Creek Wildlife	SC	

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, and CC-Cover Crops



































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

Thursday, August 17

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























Start Time	Event Title	Icon	Focus	Location
10:30 a.m.	Hay Hole and Farm Safety Demonstration		Ag Safety & Health	SD
	Alfalfa Hay Mowing Demonstration		Crops, Forage, Hay & Soils	ED
	Adaptive Grazing Soil Health		Crops, Forage, Hay & Soils	T
	Innovations in Agricultural Technology		Farm & Food Business	FF
	High Tunnel Tour		Home, Lawn & Garden	T
	Plastic Mulch, Drip Irrigation, and Fertigation		Home, Lawn & Garden	YG
11:00 a.m.	PA Preferred – Homegrown by Heroes		Farm & Food Business	PDA
	Draft Horse Hitch		Equine	MH
	Roasted Garlic Cauliflower		Cooking & Food Safety	F
	Personal Protection Equipment		Healthy Lifestyle	H
	Flower Arranging Demonstration		Home, Lawn & Garden	YG
	PA Farm Conservation Survey		Energy & Water	CT
	Short Rotation Woody Crops for Biomass Tour		Renewable & Alternative Energy	T
	Habitat Management for Deer & Wildlife Tour		Wildlife Management	T
11:30 a.m.	Hay Merger with Tedder Demonstration		Crops, Forage, Hay & Soils	ED
	Dairy Beef Feedlot Tour		Livestock	T
	Multifunctional Stream Buffers and Native Grass Field Tour		Energy & Water	T
	Turtles		Shaver's Creek Wildlife	SC
12:00 p.m.	Summer Squash with Snow Peas		Cooking & Food Safety	F
	PA Aquatic Invasive Species		Energy & Water	CT
12:30 p.m.	Hay Hole and Farm Safety Demonstration		Ag Safety & Health	SD
	No-Till Corn Planter		Crops, Forage, Hay & Soils	ED
	Adaptive Grazing Soil Health		Crops, Forage, Hay & Soils	T
	4-H Clinic-Miniature Horses		Equine	MH
	Woodlot Management Tour		Forest Resources	T
1:00 p.m.	Pa Ag Surplus System – Connecting Production Ag with Charitable Food Network		Farm & Food Business	PDA
	Roasted Garlic Cauliflower		Cooking & Food Safety	F
	First Aid and Firearm Safety Tips		Healthy Lifestyle	F
	Trees for Trout: Opportunities for Installing Streamside Forest Buffer		Energy & Water	CT
	Kids' Climb (1:00–3:00 p.m.)		Family Program	K
	Birds of Prey: Focus on Migration		Shaver's Creek Wildlife	SC
1:30 p.m.	Arena Carriage Events		Equine	MH
	High Tunnel Tour		Home, Lawn & Garden	T
	Eastern Longhunter & Charcloth		Pasto Museum	P
2:00 p.m.	Hay Raking Demonstration		Crops, Forage, Hay & Soils	ED
	Industrial Hemp Research		Crops, Forage, Hay & Soils	T
	PAOneStop/AgMap Erosion and Sediment Planning		Farm & Food Business	AM
	Summer Squash with Snow Peas		Cooking & Food Safety	F
	Personal Protection Equipment		Healthy Lifestyle	H
	Beneficial Insects at Pollinator Garden		Home, Lawn & Garden	CEA
	Flower-Arranging Demonstration		Home, Lawn & Garden	YG
	Habitat Management for Deer & Wildlife Tour		Wildlife Management	T

Thursday, August 17

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

Start Time	Event Title	Icon	Focus	Location
2:30 p.m.	Hay Hole and Farm Safety Demonstration		Ag Safety & Health	SD
	Hay Baling Demonstration		Crops, Forage, Hay & Soils	ED
3:00 p.m.	Snakes: Venomous or Not?		Shaver's Creek Wildlife	SC
3:30 p.m.	Bale Handling Demonstration		Crops, Forage, Hay & Soils	ED

Key to Category Icons

Agriculture	Animals	Food & Health	Lawn & Garden	Natural Resources	Youth & Family
    	  	  		    	    



Ag Progress Days 2018 • August 16, 17, and 18

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

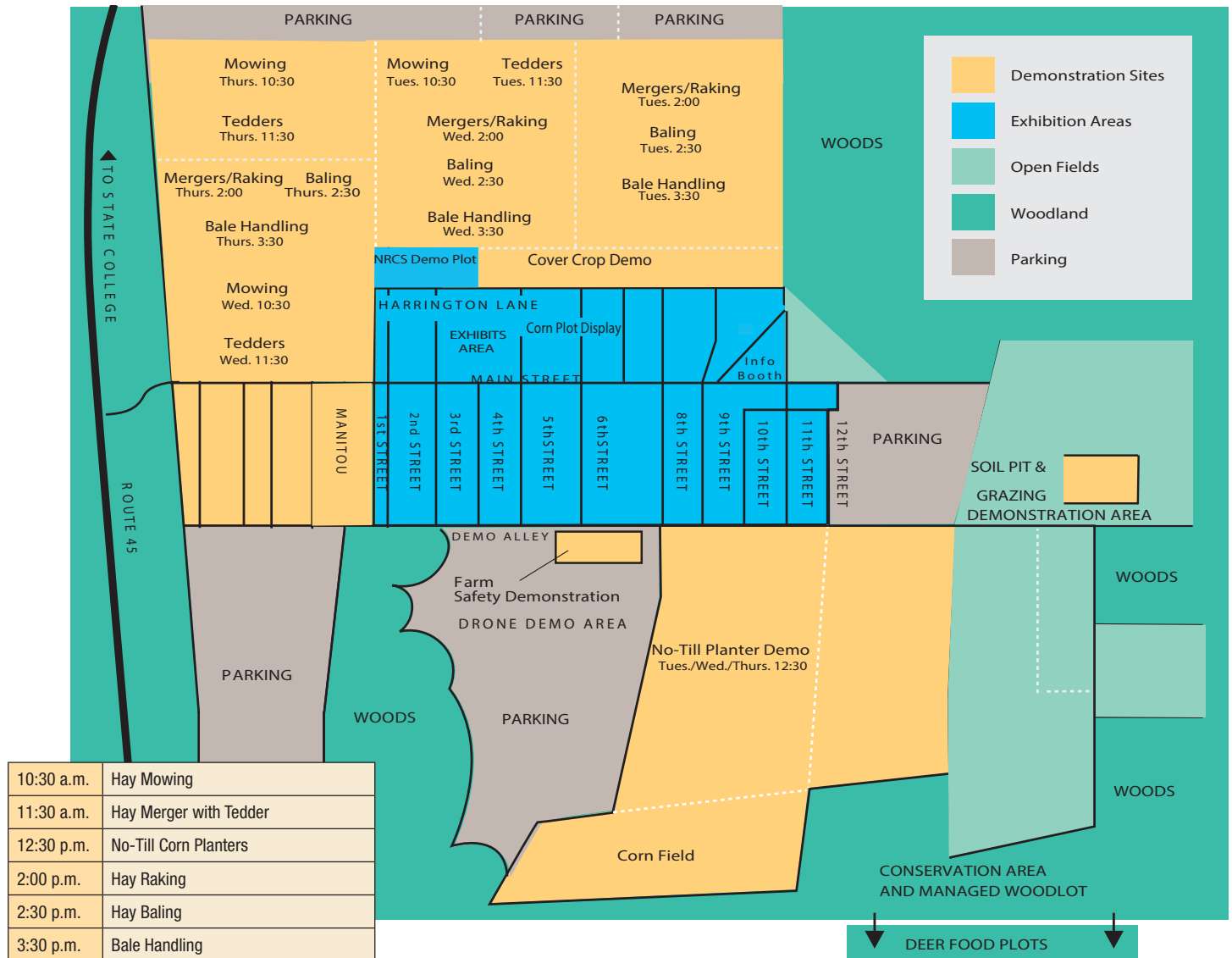
Where trade names appear, no discrimination is intended, and no endorsement by Penn State Extension or the College of Agricultural Sciences is implied.

The Pennsylvania State University encourages qualified persons with disabilities to participate in its programs and activities. If you anticipate needing any type of accommodation or have questions about the physical access provided, please contact Deb Ellis at 814-863-2263 in advance of your participation or visit.

This publication is available in alternative media on request.

The University is committed to equal access to programs, facilities, admission, and employment for all persons. It is the policy of the University to maintain an environment free of harassment and free of discrimination against any person because of age, race, color, ancestry, national origin, religion, creed, service in the uniformed services (as defined in state and federal law), veteran status, sex, sexual orientation, marital or family status, pregnancy, pregnancy-related conditions, physical or mental disability, gender, perceived gender, gender identity, genetic information, or political ideas. Discriminatory conduct and harassment, as well as sexual misconduct and relationship violence, violates the dignity of individuals, impedes the realization of the University's educational mission, and will not be tolerated. Direct all inquiries regarding the nondiscrimination policy to Dr. Kenneth Lehrman III, Vice Provost for Affirmative Action, Affirmative Action Office, The Pennsylvania State University, 328 Boucke Building, University Park, PA 16802-5901; Email: kfl2@psu.edu; Tel 814-863-0471. U.Ed. AGR 17-31 MPC144542

Machinery Demonstration Map and Schedule



Farm Safety Demonstration Area

End of West 8th Street

Being safe on a farm extends to children as well as adults. This year, the farm safety team will show some of the common dangers that children in Pennsylvania may face, and how to prevent accidents. Specialists will provide information on hay hole covers which the Amish Safety Committee have developed. Demonstrations are scheduled for Tuesday and Thursday at 10:30 a.m., 12:30 p.m., and 2:30 p.m. on the site.

On Wednesday, watch the friendly competition of Ag Olympics at 5:00 p.m. when PSU staff take on PDA staff. Join in on the fun. Ag Olympics is a fun educational program and competitive activity for all ages.

No-Till Corral

Pennsylvania is the state to be in for no-till innovations! Specialized equipment to use in no-till systems such as no-till planting

equipment, a no-till vegetable and tobacco transplanter, an interseeder to plant cover crops in standing corn or soybeans, and low-disturbance manure application equipment are showcased next to the Harrington Building.

Penn State and Commercial Exhibitor Cover Crop Plot

Next to the J.D. Harrington Crops and Conservation Building, several Pennsylvania seed companies are demonstrating new cover crop mixtures they are offering. On this self-guided tour you will see plantings of the different cover crop species and mixes with information about their characteristics. Visit Penn State specialists in the Harrington Building or seed company representatives in their company booths for answers to specific questions.

Equipment Demonstrations

This year's new field demonstration will feature a No-Till Corn Planter at 12:30 p.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 short discussion on safety and operating policy will be held. Learn more at the **Innovations in Ag Technology Showcase** about Guidance Systems, Sprayers, and Drones. Presentations will be offered each day at 10:30 a.m. in the Farm Family Learning Center.

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

Learn about what you can do to protect our water. Take a walk by the live stream and explore the tributaries to learn about how the culture of stewardship in agriculture is leading efforts to maintain clean water.

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

Explore new alternative energy opportunities. Penn State Extension, government agencies, and invited exhibitors will offer their expertise. On Tuesday, stop by to find out more about the Renewable Energy Initiatives and Marcellus Land Management. Learn about alternative energy sources. On Tuesday and Wednesday, learn about preparing your produce farm for Food Safety Audits. Join with industry representatives each day at 10:30 a.m. to learn more about Innovative Technology in Agriculture.

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:

- **Interseeding Corn with Annual Forges**

Learn about forage selection, planting, grazing management, and new research related to interseeding of annual forages into corn.

- **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. Come in and play mini games, watch food demonstrations, taste healthy food and drink, participate in a scavenger hunt, and learn first aid and firearm safety tips. Many people are overwhelmed with the steady stream of new information about ways to eat more nutritiously, become more physically fit and keep all family members safe. The various exhibits are sponsored by the Penn State Extension Nutrition, Diet and Health Team and Nutrition Links program; Penn State Extension Food Safety Team; Penn State's Food Science Department; Penn State University Police Community Education Program; and the Penn State Extension Pesticide Education Program.

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

Children can engage with our interactive exhibits, play with bunnies, and find out about the great opportunities 4-H has to offer in science, engineering, technology, citizenship, leadership, and healthy living. Experience hands-on discovery of plant diseases. Look how plants grow and see their roots. Learn how to be safe at home and on the farm through the Progressive Ag Safety Day program on Thursday. There is also a fun photo booth, games, activities, and prizes for all youth visitors who participate!

Kids' Climb Main Street, across from the Equine Exhibits Building

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.

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 butterflies, turtles, snakes, and birds of prey.

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 Department of Animal Science Dairy and Livestock Tent #1 (D) on W. 13th Street

Discover the teaching, research, and extension presence behind the Department of Animal Science's work in livestock, poultry, meat science, and dairy. 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 vision tests, blood pressure readings, stroke assessments, dental hygiene information, and scheduled personal protection equipment presentations. Visit the tent for additional information provided by local health service organizations.

PAOneStop/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. Try using AgMap, an easy way to search for businesses, supplies, services, and advice close to your home. Find information on landscaping services, farmers' markets, organic farming, pest management, and fresh produce.

Yard and Garden Area End of West 11th Street

Visit the Penn State Extension Master Gardeners for advice on your plant and pest problems and attend workshops on plastic mulch, drip irrigation, and fertigation. Get updates on the health of pollinators, gain tips from a flower arranging demonstration, and don't forget the potato tent, which will feature multiple potato varieties growing in the soil as well samples on display. See the observation hive and learn the latest on beehive equipment from Penn State Extension, vendors, and the Pennsylvania Beekeepers Association. To gain a deeper understanding of the honey bee's daily activities, join the walking tour to the demonstration area. **NEW this year** is the exhibit for the Penn State Extension-Food Safety Team to answer questions about preparing your produce farm to meet food safety audits.

(continued on next page)

At the Show

(continued from page 21)

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 with an Eastern Long hunter to learn what life was like in the 1750s. How would people who carved out this land have cooked their meals, stayed warm in the winters or made wisps of light through the night. Join Dave Benner as he discuss the art of fire making before the "BIC" lighter. Just outside the building, watch a modern day small charcoal making demonstration and learn about all its amazing uses. Also don't miss "The Axe Whisperer" Jim Walizer as he shares his passion for the history of timber, logging and forestry in the Commonwealth. 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.



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.

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: ham/egg/cheese sandwiches, donuts
Lunch: hot dogs, bean soup, hot sausage sandwiches

Harris Township Lions Club
(Demo Alley and West 6th): barbeque chicken or pork sandwiches, hot dogs, curly fries, cinnamon buns, ice cream, and milkshakes

Hoag's Catering (Main and West 1st): hand-pulled pork barbeque meals, hot dogs, cheesesteaks (beef), Italian sausage sandwich, French fries, nachos, 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 melts and cowboy beans, beef brisket, beef hot dogs, salad with grilled steak, and steak, egg, and cheese burritos

Pa. County Agents Association
(West 12th below equine area): pulled pork sandwiches, meatball subs, and snacks (chips, pretzels, candy, etc.)

Pa. Dairy Princess and Promotions
(Main and East 8th): grilled cheese sandwiches and floats

Pa. FFA Foundation
(Main and East 8th): cheese and pepperoni pizza, rib sandwiches, sausage grillers, hot dogs, barbeque, cheesesteak sandwich, beans, applesauce, chips, breakfast sandwiches, 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, crumb sugar, coated nuts, sundaes, milkshakes, and maple lemonade. PA Maple value added products, available for purchase.