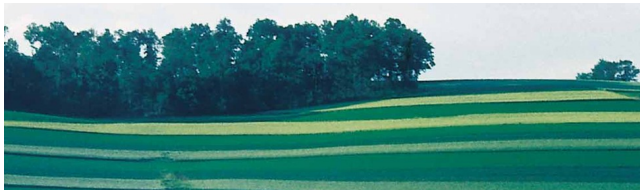


Understanding PA Farm Operations

AG 101 is a series of online sessions that explore the many facets of farm types, operations management, economics, social aspects, and environmental considerations. The series looks at the multiple dials that Pennsylvania agricultural producers manage as they grow food, fiber, and fuel for their community, state, nation, and world.

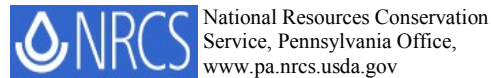
AG 101 was developed to enhance the work of conservation practitioners who are on the front lines supporting producers in choosing, planning, and implementing the best management practices that preserve soil, water, and air quality. However, many other professionals and citizens who interface with producers will benefit from **AG 101**.

Though Pennsylvania's towns and cities are connected by vast agricultural landscapes, a majority of Pennsylvanians may be one or more generations removed from family production of food and fiber and less aware of the complex systems our producers manage. **AG 101** will familiarize viewers with the state's primary agricultural operations, the economics of farming, animal and crop species, and the challenge that our producers face daily.



All AG 101 sessions are viewable at:
<http://extension.psu.edu/aec/conservation-training/ag-101/>

AG 101 is an offering of Penn State Extension with support from and in close collaboration with the Pennsylvania Natural Resource Conservation Service, PennAg Industries and The Pennsylvania Farm Bureau also participated in the sponsorship of AG 101.



An **OUTREACH** program of the
College of Agricultural Sciences

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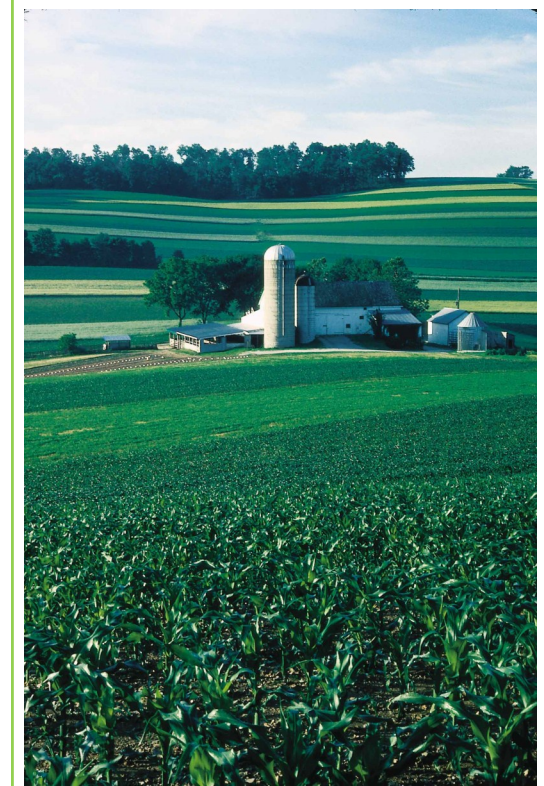
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Understanding Pennsylvania Farm Operations

AG 101



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PENN STATE



Cooperative Extension
College of Agricultural Sciences

1- Introduction to Pennsylvania Farms

This session explores the diversity, heritage, and current state of the Commonwealth's agriculture including the types of farm operations, equipment, and landscapes.

2- The Pennsylvania Farmer

Pennsylvania's producers are at the heart of the farm operation making management choices on a daily basis—each with economic, social, and environmental implications.

3- Livestock Production Systems

Pennsylvania animal systems for production of dairy, swine, beef, and poultry vary in size, approach, and even goals. This session explores feeding, health, welfare, wastes, products, operation scale, marketing, economics, and biosecurity issues.

4- Equine & Specialty Species

Equine operations and specialty species (alpacas, goat, bison, veal, etc.) are increasingly common across the Pennsylvania landscape and are often managed for reasons very different from the Pennsylvania livestock producers.



5- Visiting a Farm

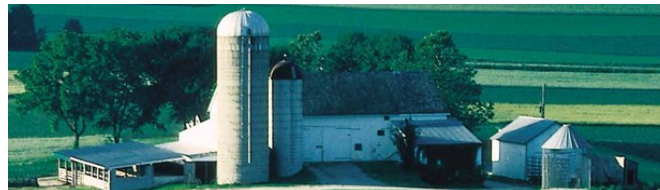
Biosecurity and common sense are critical for visitors to Pennsylvania's farms. Learn how to best reduce the chances of introducing disease to farms through proper preparation and protection.

6- Field, Forage & Grains

Crop production and its range of inputs, care, management, and monitoring are critical to ensure a successful harvest. This session explores the production and identification of forages, grains, and cover crops.

7- Pest Management

Pennsylvania farms are often the first line of defense in emerging pests such as weeds and insects as well as various diseases and are diligent in managing to reduce losses and ensure farm health.



8- Specialty Crop Operations

Pennsylvania's specialty crops include vegetables and fruits—and are grown in greenhouses, fields, and orchards. This session focuses on the identification of key specialty crops and the management challenges associated with them.

9- Agroforestry & Woodlot Management

Pennsylvania farms are often home to critical forests that provide valuable ecosystem services to communities. Agroforestry combines forest and agricultural systems to improve the production of both.

10- Special Topics

Pennsylvania's producers provide a number of services that are not always accounted for in the market-place—including open space valued by society and critical groundwater recharge that improves availability of drinking water supplies.

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