

# Penn State Extension

Educational wealth for community enrichment



Penn State Extension offers a wealth of educational opportunities with articles, events, workshops, videos, and publications.

## 1

### Structure

At the heart of Penn State Extension are the relationships created with local communities. Teams of extension educators bring expertise from the College of Agricultural Sciences to local farmers and stakeholders. The Extension is focused on : **products & services** and **community members & stakeholders**. As an integral part of its educational products and services, extension educators are organized into seven extension units, including:

- 4-H youth development
- Agronomy & natural resources
- Animal systems
- Energy, entrepreneurship, and community development
- Food safety and quality
- Food, families, and health
- Horticulture

To enhance relationships with community members and stakeholders, Penn State Extension is grouped into 10 regions serving all 67 counties in the commonwealth. The Extension supports \$136 billion in total output for the state's economy.

## 2

### Areas of Education

Through the College of Agricultural Sciences, Penn State Extension delivers science-based information to people, business, and communities.

It supports face-to-face and online education that is on-demand and focused on community enrichment.

Workshops and courses focus on:

- Dairy** - especially cattle nutrition, breeding, milking, marketing, and manure & nutrient management.
- Poultry** - poultry health, nutrition, reproduction, eggs, marketing, and business management.
- Beef Cattle** - beef cattle nutrition, breeding, health, marketing, and business management.
- Equine** - emphasis placed on stable, pasture & hay management, equine health and nutrition.
- Swine** - focusing on increase in swine production, health, nutrition, breeding, marketing, and business management.
- Goats** - goat health, milking, nutrition, and marketing.
- Sheep** - shearing, health, nutrition, and best business practices.
- Llamas & Alpacas** - shearing, health, marketing, and business management.



#### Agriculture

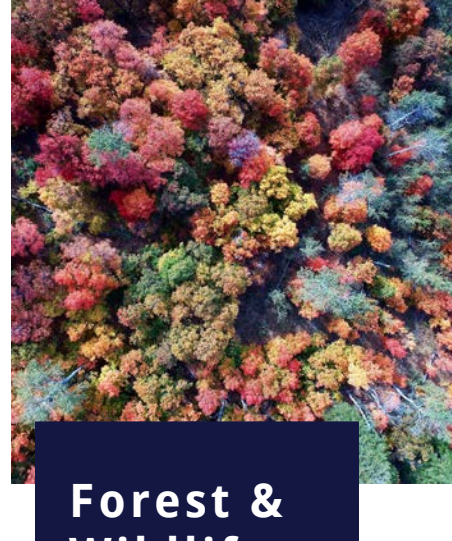
Areas of enrichment include:

**Forest Management** - enhancing forest pest & disease control, and wildlife protection

**Forest Products** - further develop marketing of maple syrup, lumber, biofuels, ginseng and more.

**Forestry and Economics** - stay fluent in forestry and timber market research, agroforestry best practices, policies, and regulations.

**Wildlife** - control wildlife nuisances and damage, habitat management and landscaping for wildlife.



#### Forest & Wildlife



#### Water Quality

Areas of enrichment include:

**Drinking & Residential Water** - with a core goal of making clean water a priority, the focus is on building and managing a well and water conservation.

**Pond Management** - exploration of aquatic plants, invasive species, pond construction and ecology.

**Storm Water Management** - protecting your home, business and property from flooding and storm damage, build cisterns & rain gardens.

**Waste Water Management** - to help a business owners build, maintain, and troubleshoot industrial/private septic systems utilizing educational content.

**Water for Agriculture** - increasing the quality of water for crops and livestock, nutrient management techniques, and water conservation.

Areas of enrichment include:

**Marcellus Shale & Natural Gas Exploration** - teaching landowners about leasing & royalties, environmental, governmental, economic, and business impacts.

**Renewable & Alternative Energy** - information about energy use and efficiency, biofuels, and renewable energy resources.



#### Energy



#### Food Safety & Quality

Areas of enrichment include:

**Commercial Food Processing** - educational resources about good manufacturing practices & regulations, food borne illness outbreaks, and effective marketing.

**Food Service & Retail** - focus on food service safety, regulations, cross contamination prevention, and business management.

**Wine Production** - resources to help businesses and individuals to discover winemaking and winery management.

**Farm Food Safety & Management** - learning good agricultural practices and regulations, and farm food water testing - bacterial testing of irrigation & post-harvest water .

**Home Food Safety** - focus on canning, freezing, cooking, and food storage.

**Beer/Cider/Distilled Spirits** - guidance on how to get a small business off to a good start and information on classification of alcoholic beverages.

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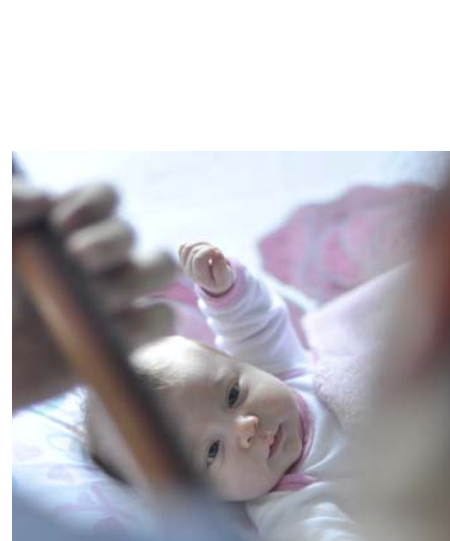
**Nutrition, Diet, and Health** - resources highlighting the benefits of maintaining healthy lifestyle through diet & exercise.

**Children & Families** - benefits of becoming a good parent/caregiver, childhood education, and drug & alcohol prevention.

**4-H Youth Development** - discover mentorship in a popular program focusing on four personal development areas:

**HEAD, HEART, HANDS, and HEALTH**

The program develops leadership, responsibility, citizenship, and life skills in youth through mentorship and positive development.



#### Youth, Family, & Health

## 3

### Ag Progress Days

An annual agricultural exposition highlighting the importance of the farming community in our daily lives.



Ag Progress Days at Penn State is Pennsylvania's largest outdoor agricultural exposition. The event is sponsored by Penn State Extension and provides a number of research tours and exhibitions highlighting different areas of agriculture. It enables the farming community to connect to available financial and knowledge resources and to interact with the general public.

Sources:

<https://extension.psu.edu>

<https://agsci.psu.edu/apd>