



Career Spotlight



Environmental Consultant - Environmental Consultants work to sustain the health of the environment. These stewards of nature can work alongside farmers to find solutions to soil erosion and fertilizer run-off issues.

Future EC's Take:

- Biology
- Wildlife Courses

How EC's Benefit Agriculture:

- Solve issues with the Chesapeake Bay
- Help farms improve soil health for crops

Farm Facts

- ➔ Careful stewardship has spurred a 50% decline in erosion of cropland
- ➔ Today's American farmer feeds about 155 people worldwide
- ➔ Farmland used for crops has declined by 70 million acres since 1982
- ➔ America's farmers and ranchers produce 16 % of total world food production on 10% of the world's land

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American Agriculturalist Foundation
 Pennsylvania Beef Council
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Why shouldn't you tell a secret on a farm?

Answer:
 Because the potatoes have eyes and the corn have ears



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PA Farm Bureau

and



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Mobile Ag on the Go ~ Links to Agriculture

Meet the Environmentally Friendly Farm



Farmers are referred to as "**Stewards of the Land**" meaning farmers take charge and care for the land and nature. The land consists of many resources that are used to grow food. Some of these resources are natural resources such as water, soil, timber, and fruit that are found in nature. The other resources are called synthetic resources which are made from different combinations of materials and substances. Examples of synthetic resources are paper, wire, polyester, and plastic. We need natural resources to make synthetic resources.

Today, natural resources are becoming less available. Some resources are renewable but they take many years to replenish themselves. Farmers grow renewable resources such as fruit, soybeans, corn, vegetables, and wheat. There are also nonrenewable resources that *do not* replenish themselves. Examples of nonrenewable resources are oil, which creates gas and diesel fuel, and coal, which is used for electricity. Both renewable and nonrenewable resources are used on farms.



All resources are a part of the environment in which we live. Farmers take care of the environment through many different ways. Six ways we learned today are:



- Cover Crops
- Buffer Zones



- Manure Pits
- No-till Farming



- Fencing
- Contour Farming



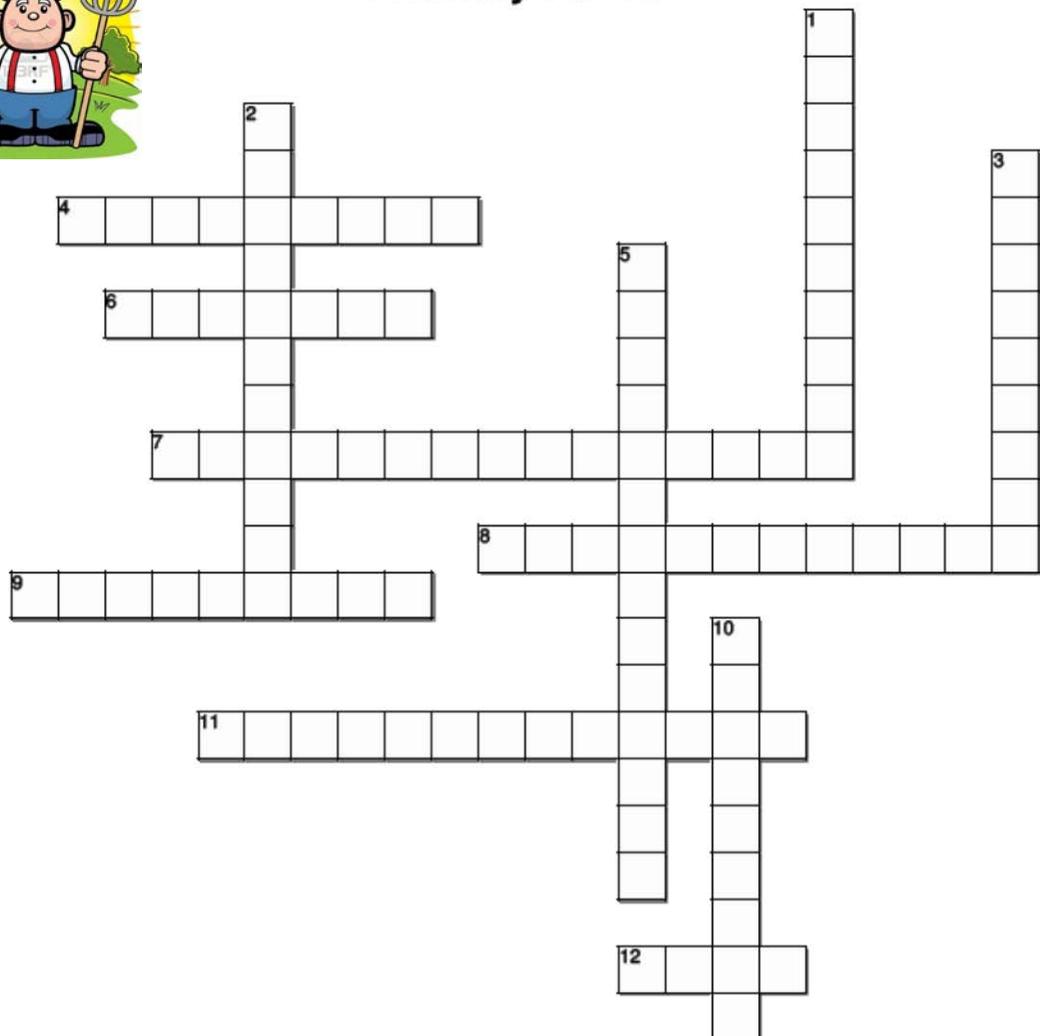
These practices protect the water and soil which are important to raise animals and grow crops. There are many benefits to each practice:



- Cover Crops:** protects and enriches the soil
- Buffer Zones:** decreases soil erosion and water pollution
- Fencing:** prevents entrance, confines and protects, and keeps animals out of streams
- Manure Pit:** stores manure until it is used as fertilizer on the fields
- No-Till Farming:** reduces soil erosion by providing a protective layer to the soil
- Contour farming:** conserves runoff and reduces soil erosion



Friendly Farmer



Across

- 4. A farming practice that protects and enriches the soil
- 6. A farming practice that prevents entrance and confines animals

Down

- 1. A farming practice that decreases soil erosion and water pollution
- 2. The occupation, business, or science of cultivating the land, producing crops, and raising livestock to

Farmer's Care about our Environment ... Do you?

Farmer's play their part in taking care of the environment but what can YOU do to show you care?



- Turn the water off when brushing your teeth
- Turn off appliances when you leave a room (Ex: TV, lights, radio)
- Compost your food waste
- Walk or bike when you can
- Plant flowers and trees around your house to increase the amount of oxygen
- Do not kill spiders because they eat other pests
- Take small amounts of food initially because you can always go back for seconds to reduce waste
- Use rechargeable batteries
- Pack your lunch with re-useable containers and in a lunchbox
- Recycle

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