Lesson 6: Agroforestry- Create your own- Teacher’s Guide

Estimated Time for Completion: 30 minutes

Student Learning Objectives:

As a result of this lesson the student will...

- Have an understanding of how to implement agroforestry practices.
- Develop reasoning behind agroforestry decisions.

Purpose: Agroforestry is a set of several methods and unlimited combinations of strategically placed trees or shrubs that add value to your crop or livestock operation. It takes a lot of careful planning and consideration to design an agroforestry plan that fits your specific land. How would you go about incorporating agroforestry into a farm operation?

Directions: It is your turn to create your own agroforestry model. Draw or design a farm layout, and using that layout incorporate all five agroforestry methods (alleycropping, forest farming, riparian forest buffers, silvopasture, and windbreaks). You will need to have a written explanation for each method that shows your reasoning.
Unit 2: Agroforestry

The picture above is an example agroforestry map that can be shown to the students to give them an idea of what this assignment is. Below is an example of a written description of windbreaks.

Windbreaks have been placed along the road, around the farm site, and in-between sections of the field. The forest farm and the alley cropping also serve as windbreaks. The windbreaks along the road and around the farm site help in blocking snow from the affected areas. All of the windbreaks will help to provide a warmer and moister climate for the crops surrounding them.