

## **PESTICIDE AND ORGANIC FARMING**

### **Types of pesticides**

fungicides, herbicides, rodenticides, molluscicides, nematocides, plant growth regulators

### **Benefits of pesticides**

*Improving productivity:* if using pesticide, productivity can be increased but quality of food decreases.

*Protection of crop losses:* if using herbicide, protection of crop can be used but quality of food decreases.

## **ORGANIC FARMING**

*Techniques involved:*

fewer pesticides, reduces soil erosion, decreases nitrate leaching into groundwater and surface water, and recycles animal wastes back into the farm

*Benefits: Increased food quality and farm protection.*

*Methods involved:*

**Soil tilling:** Soil is maintained by planting and then tilling in cover crops, which help protect the soil

from erosion off-season and provide additional organic matter. The tilling in of nitrogen-fixing cover crops, such as clover or alfalfa, also adds nitrogen to the soil.

**Pest control:** Organic pesticides are derived from naturally occurring sources. In addition to pesticides, organic pest control integrates biological, cultural, and genetic controls to minimize pest damage.