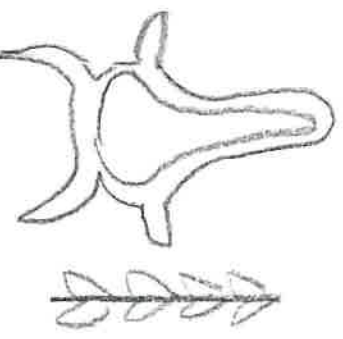


# Agriculture

intentional planting of seeds and raising of domesticated animals

Before hunters/gatherers seasonal migration



1930-2019

8,000 BCE

## 1st Ag. Rev.

initial plant/animal domestication  
 - trial/error  
 ① Vegetative Planting / direct cloning  
 ② Seeds

animals in SE Asia

- pigs, chickens, dogs



1700s-1900s (not to scale)

## 2nd Ag. Rev.

fertilizer  
 artificial feed  
 rows  
 machines  
 railroads to reduce transport issues

## McCormick Reaper

increase speed of wheat harvests  
 urbanization  
 smaller families

Mechanization  
 cultivation  
 harvesting  
 storage

Industrial Rev  
 new tech  
 surplus  
 factories

Enclosure Act  
 Great Britain  
 fenced off common land  
 experiment w/ new methods

## 3rd Ag. Rev.

shift in role of farmers  
 1. Primary (grow)  
 2. Secondary (process)  
 3. Tertiary (sell)  
 - outside U.S. after WWII

## 3rd Ag. Rev.

- In progress  
 - mechanization  
 - genetically modified organisms (GMOs)