

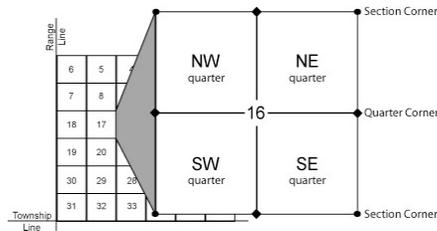
**Unit 5**    **11.2 What imprint does agriculture make on the cultural landscape? What is the global pattern of agriculture & agribusiness?**

**Agriculture Geography**

The following information corresponds to Chapter 11 in your textbook. Fill in the blanks to complete the definition or sentence. Note: All of the following information in addition to your reading is important, not just the information in the blanks.

**What imprint does agriculture make on the cultural landscape?**

The \_\_\_\_\_ = the method of land survey through which land ownership and property lines are defined.



- The US adopted the cadastral system known as the \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_



Meridian Marker beginning point for all land survey in FL - Tallahassee, FL

\_\_\_\_\_ which can be traced to the US Land Ordinance of 1785, which divided much of the country into "townships" laid out in 36 squares. It was divided into 36 "sections" each 1 sq mi. Sections were divided into quarter-sections or 160 acres of land. The lines were drawn without regard to \_\_\_\_\_. The \_\_\_\_\_ survey system is also evident in \_\_\_\_\_,

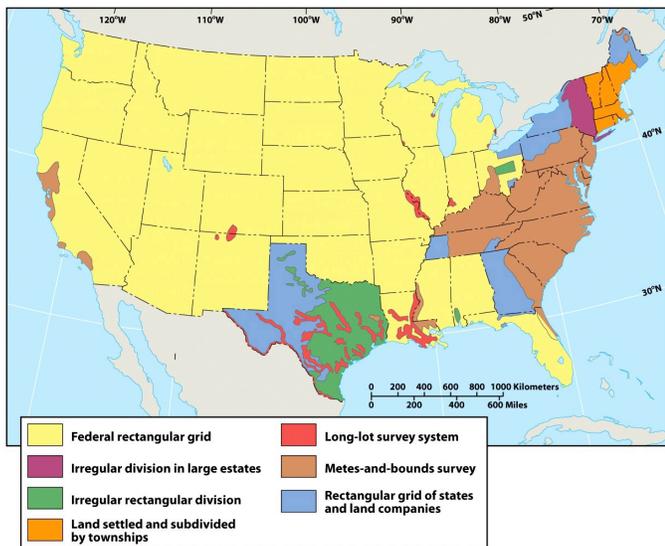


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- Another \_\_\_\_\_ system is the \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ system used along the \_\_\_\_\_ seaboard using \_\_\_\_\_ features to \_\_\_\_\_ irregular parcels of land.
- A third system used in French Canada and the US \_\_\_\_\_ & \_\_\_\_\_ called the \_\_\_\_\_ - \_\_\_\_\_ survey system, dividing the land into \_\_\_\_\_ parcels stretching from \_\_\_\_\_, \_\_\_\_\_ or \_\_\_\_\_.
- Society's norms are reflected in property ownership and are reflected on the cultural landscape, such as the German system of \_\_\_\_\_ in which all land

passes to the oldest son maintaining large farms. (found in N. Europe and areas colonized by N. Europeans - the Americas, S. Africa, Australia, and New Zealand.)

- In cultures where land is divided among heirs, \_\_\_\_\_ can occur resulting in small and/or scattered plots.

**Villages**

- Culture and physical features influence farming and housing patterns (i.e. Japan tightly packed due to large population & small land area)
  - In the US Midwest farmers live in \_\_\_\_\_ due in part to the Township & Range survey patterns used and the mechanized manner in which the fields are cultivated.
  - In Java (Indonesia) houses are \_\_\_\_\_ at intervals of about 1/2 mile, but farming is \_\_\_\_\_ and done by \_\_\_\_\_ & \_\_\_\_\_.

- **Nucleated settlements are by far the most prevalent rural residential pattern in agricultural areas. The agrarian village remains one of the most common forms of settlement on earth.**

Traditionally, the majority of the people in a village are involved in \_\_\_\_\_ activities, and are closely connected to the land (most of their livelihoods depend on the cultivation of nearby \_\_\_\_\_).

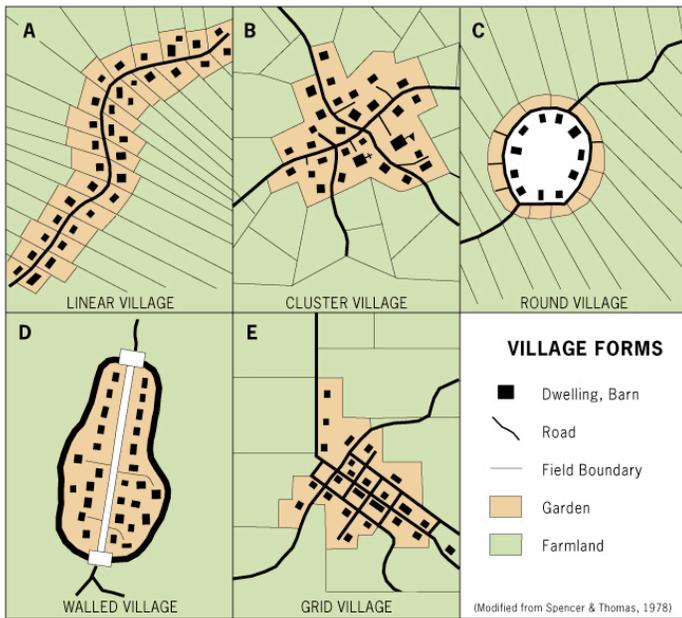
A) \_\_\_\_\_ - houses in Japanese villages are tightly packed (need to allocate every available foot of land for farming); Western European villages built on dikes & levees (strassendorfs) to protect from flooding.

B) \_\_\_\_\_ - the village may have begun as a hamlet, and developed by accretion.

C) \_\_\_\_\_ - (*rundling*) European – similar to East Afr. circular village (w/ a central cattle corral).

D) \_\_\_\_\_ - farm villages fortified for protection

E) \_\_\_\_\_ - most modern villages are planned this way; Spanish invaders in Middle America laid out their villages in this manner centuries ago.



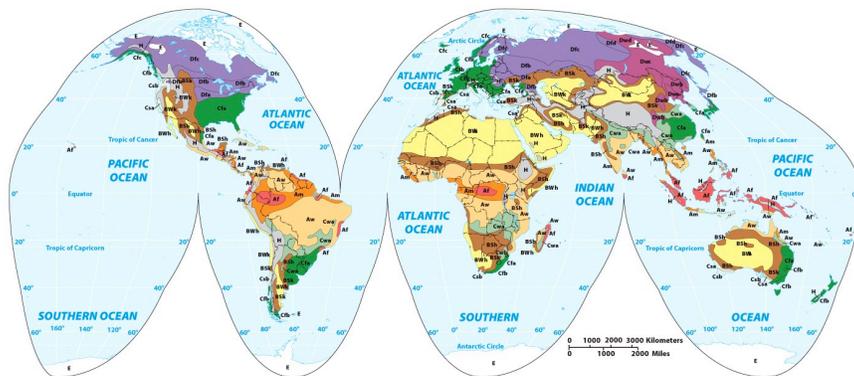
Villages everywhere show evidence of \_\_\_\_\_ and \_\_\_\_\_ of buildings.

### What is the Global Pattern of Agriculture and Agribusiness?

- \_\_\_\_\_ farming dominates in the world's economic core, and some places in the periphery and semi-periphery. \_\_\_\_\_ is the agriculture of large scale \_\_\_\_\_ producers, and \_\_\_\_\_ ranches, \_\_\_\_\_ equipment, and \_\_\_\_\_ type labor forces, \_\_\_\_\_ & \_\_\_\_\_.
- Commercial agriculture has its roots in the \_\_\_\_\_ of the 18<sup>th</sup> & 19<sup>th</sup> c.
  - Major changes in \_\_\_\_\_ and \_\_\_\_\_, especially \_\_\_\_\_ have combined agricultural production and food processing regions.
  - \_\_\_\_\_ the dependence on a single agricultural commodity.
    - \_\_\_\_\_ in Ghana, \_\_\_\_\_ in Mozambique, \_\_\_\_\_ in Sri Lanka

### Köppen Climatic Classification System

Wladimir Köppen (1846 -1940) classified climates on the basis of \_\_\_\_\_ & \_\_\_\_\_.



**WORLD CLIMATES**  
After Köppen-Geiger

A HUMID EQUATORIAL CLIMATE	B DRY CLIMATE	C HUMID TEMPERATE CLIMATE	E COLD POLAR CLIMATE
Af No dry season	BS Semiarid	Cf No dry season	E Tundra and ice
Am Short dry season	BW Arid	Cw Dry winter	H HIGHLAND CLIMATE
Aw Dry winter		Cs Dry summer	H Unclassified highlands
		D HUMID COLD CLIMATE	
		Df No dry season	
		Dw	

h=hot  
k=cold

a=hot summer  
b=cool summer  
c=short, cool summer  
d=very cold winter

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- (A) Humid Equatorial Climates
  - (Af) \_\_\_\_\_
  - (Am) \_\_\_\_\_
  - (Aw) \_\_\_\_\_
- (B) Dry Climates
  - (BW) \_\_\_\_\_
  - (BS) \_\_\_\_\_
- (C) Humid Temperate Climates
  - (Cf) \_\_\_\_\_
  - (Cw) \_\_\_\_\_
  - (Cs) \_\_\_\_\_
- (D) Humid Cold Climates
  - (Da) \_\_\_\_\_
  - (Dfb) \_\_\_\_\_
  - (Dfc) \_\_\_\_\_
- (E) Cold Polar Climates
  - (E) \_\_\_\_\_
- (H) Highland Climates
  - (H) \_\_\_\_\_

**WORLD AGRICULTURE**

- 1 Dairying
- 2 Fruit, Truck and Specialized Crops
- 3 Mixed Livestock and Crop Farming
- 4 Commercial Grain Farming
- 5 Subsistence Crop and Livestock Farming
- 6 Mediterranean Agriculture
- 7 Diversified Tropical Agriculture - chiefly plantation
- 8 Intensive Subsistence Farming - chiefly rice
- 9 Intensive Subsistence Farming - chiefly wheat and other crops
- 10 Rudimentary Sedentary Cultivation
- 11 Shifting Cultivation
- 12 Livestock Ranching
- 13 Nomadic and Semi-Nomadic Herding
- Nonagricultural Areas



Figure 11.17 part 1  
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**Cash Crops & Plantation Agriculture**

Nonsubsistence farming - locked \_\_\_\_\_ countries into production of one or two crops. Conditions of sale often \_\_\_\_\_

- Caribbean \_\_\_\_\_, Core places \_\_\_\_\_ on imports and \_\_\_\_\_ domestic production of the same commodities.
- \_\_\_\_\_ agriculture is a \_\_\_\_\_ legacy, which continues in Middle & South America, Africa, & \_\_\_\_\_
- Bananas, sugar, coffee, & cocoa in \_\_\_\_\_ & \_\_\_\_\_
- Rubber, cocoa, and tea in \_\_\_\_\_ & \_\_\_\_\_ in \_\_\_\_\_

**Cotton & Rubber**

- Cotton was produced on a large scale in \_\_\_\_\_, & a smaller scale in \_\_\_\_\_, the \_\_\_\_\_ region (India & Pakistan - find it on the map), \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ & \_\_\_\_\_
- Today cotton producers compete with \_\_\_\_\_, \_\_\_\_\_, & \_\_\_\_\_
- Cotton producers also not compete with \_\_\_\_\_ (nylon & rayon)
- Rubber plantations were located in \_\_\_\_\_ because of the availability of \_\_\_\_\_

**Luxury Crops**

- \_\_\_\_\_ - tea, cacao, coffee, and tobacco. \_\_\_\_\_ (my favorite) was first domesticated in present day \_\_\_\_\_, but today 70% is grown in \_\_\_\_\_ & \_\_\_\_\_. The US buys more than \_\_\_\_\_ of all coffee sold on world markets (I don't drink that much!), \_\_\_\_\_ imports most of the rest. After \_\_\_\_\_, coffee is the 2<sup>nd</sup> most valuable traded commodity in the world.
- If a producer meets requirements for organic coffee production, it can be registered on the \_\_\_\_\_ and guarantees a "\_\_\_\_\_ " of \_\_\_\_\_ per pound. \_\_\_\_\_ purchases more than 10 % of the global production of \_\_\_\_\_ coffee.
- Compared to coffee, \_\_\_\_\_ is consumed in greater quantities in areas \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, & \_\_\_\_\_.

**Commercial Livestock, Fruit, and Grain Agriculture (See map p 374 - 375)**

The largest area of commercial agriculture lies \_\_\_\_\_.

- (1) \_\_\_\_\_ - in the northern margins of the \_\_\_\_\_: NE \_\_\_\_\_, NW \_\_\_\_\_
- (2) \_\_\_\_\_ - includes \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_ in the \_\_\_\_\_ & \_\_\_\_\_ USA
- (3) \_\_\_\_\_ & \_\_\_\_\_ in more \_\_\_\_\_ parts of the \_\_\_\_\_ including \_\_\_\_\_ US, \_\_\_\_\_ Europe, & \_\_\_\_\_ Russia with smaller areas in \_\_\_\_\_, \_\_\_\_\_, & \_\_\_\_\_
- (4) \_\_\_\_\_ in \_\_\_\_\_ areas of the mid-latitudes, including southern Prairie Provinces of \_\_\_\_\_, the \_\_\_\_\_, \_\_\_\_\_, & \_\_\_\_\_
  - a. \_\_\_\_\_ = wheat planted in the spring and harvested in the summer
  - b. \_\_\_\_\_ = wheat planted in the fall and harvested in the spring.
  - c. Wheat is also widely grown in \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

\_\_\_\_\_ & \_\_\_\_\_  
 (12) \_\_\_\_\_ - raising animals for \_\_\_\_\_ & \_\_\_\_\_ such as leather in the  
 \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, eastern \_\_\_\_\_ & \_\_\_\_\_  
 Thunen's model works here with livestock ranching on the \_\_\_\_\_ and consumers in the  
 \_\_\_\_\_. \_\_\_\_\_ has overcome the problem of \_\_\_\_\_

### Subsistence Agriculture

Three types: (1) \_\_\_\_\_ (2) \_\_\_\_\_  
 \_\_\_\_\_ (rice) (3) \_\_\_\_\_ (wheat)

### Mediterranean Agriculture

(6) Areas (not just around the Mediterranean Sea) where \_\_\_\_\_ summer Mediterranean climates prevail including parts of \_\_\_\_\_ & \_\_\_\_\_, central \_\_\_\_\_, at South Africa's \_\_\_\_\_ and parts of SW & S \_\_\_\_\_.

- Farmers grow tree type crops like \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, certain vegetables, & dates. \_\_\_\_\_ & olive oils are exported to distant markets.

### Illegal Drugs

Farmers in the periphery may find more demand (and profit) by growing illegal drugs like

- \_\_\_\_\_ - source of cocaine grown widely in \_\_\_\_\_
- \_\_\_\_\_ - source of heroin and opium grown in SE & SW Asia, especially \_\_\_\_\_ (92%) & \_\_\_\_\_

### Environmental Impacts of Commercial Ag

Industrialization and commercial agriculture has accelerated the pace of \_\_\_\_\_ leading to land clearing, and cultivation resulting in \_\_\_\_\_, changes in \_\_\_\_\_ content, the presence of \_\_\_\_\_ in soil and ground water

- The popularity of \_\_\_\_\_ has led to \_\_\_\_\_ to open up pasture for cattle in Central and South America.
- \_\_\_\_\_ is an extremely intensive use of \_\_\_\_\_, \_\_\_\_\_, & \_\_\_\_\_

### Agribusiness & Changing Geog of Ag (Read Commodity Chains & Answer Questions on website)

\_\_\_\_\_ - the business of providing goods and services to support the agricultural industry.

- **Chickens** produced by large agribusiness companies operating \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_.
- The company provides the \_\_\_\_\_ and the \_\_\_\_\_
- The farmer is responsible for the \_\_\_\_\_ and maintaining proper \_\_\_\_\_ & \_\_\_\_\_
- The company guarantees a \_\_\_\_\_ an even takes them away for \_\_\_\_\_
- Enormous mechanized broiler houses are concentrated in Arkansas, Georgia, Delaware, Maryland, Virginia, and North Carolina.
- **Hog production** - had increased due to demand in a similar way to chicken production in Oklahoma & Texas (and also North Carolina)

A global network of farm production is oriented toward the 1/5 of the world's population that is highly \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_.

### Loss of Productive Farmland

\_\_\_\_\_ expanding outward convert \_\_\_\_\_ land into suburbs, some of the most \_\_\_\_\_, \_\_\_\_\_ farmland.

- The 12 most severely affected areas make up only 5% of the US farmland, but they produce 17 % of the total agricultural sales.
- \_\_\_\_\_ Florida makes the list along with parts of California, North Carolina, Illinois & Wisconsin.
- One of the most intensive commercial agricultural areas is the \_\_\_\_\_ peninsula (chicken industry) is now sought for the building of \_\_\_\_\_ homes by \_\_\_\_\_ who demand high \_\_\_\_\_ standards - squeezing chicken production and causing the loss of jobs in the area. **This trend could have significant impact on commercial agriculture.**

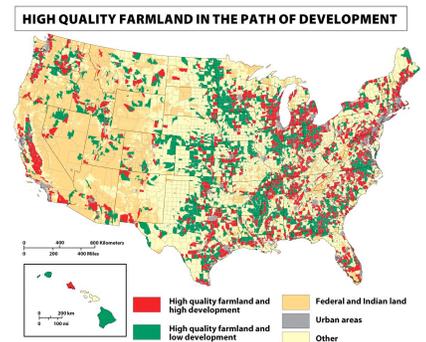


Figure 11.19  
 Courtesy of American Farm Trust, <http://www.farmland.org/farmingonthedepth/maps.htm>, last accessed November 2005.