AGRICULTURE & CIVILIZATIONS

9000 BCE

APPROXIMATE YEAR AGRICULTURE BEGAN

The Fertile Cresent

The Fertile Crescent was a wide expanse of land along the Tigris and Euphrates rivers, stretching from the Parsian Gulf to the Mediterranean See 6000 BCE

Indus River Valley

Agriculture emerged in the Indus River Valley when foraging Harappan communities settled in the lush lands between the Himalayas and the

6500 BCE

Yellow & Yangtze River Valleys

The Yellow (or Huang He) River stretches nearly 3,000 miles across China, while the Yangtze River is almost 4,000 miles long. Both rivers

6500 BCE

Papua New Guinea

The first human inhabitants of Papua New Guinea are thought to have arrived from Southeast Asia more than 40 000 years are The Pacific

3500 BCE

Mesoamerica

Domestication of wild teosinte (which became maize, and eventually corn) may have begun as early or 7000 RCE but the first organized

3000 BCE

Andes

The first agricultural communities to emerge in South America populated the regions around the Andes Mountains, Diverse generatory and

Euphrates rivers, stretching from the Persian Gulf to the Mediterranean Sea, and even into the Nile River Valley by some definitions. These river valleys, known as the "cradle of civilization," had rich soils in which crops flour- ished. Civilization first emerged in Mesopotamian cities like Babylon, Sumer, Ur, and Uruk in modern-day Iraq and in Jericho to the west. Egyptian civilization emerged in the Nile River Valley a bit later. By around 3200 BCE, civilizations in the Fertile Crescent were using the wheel and had developed the earliest known system of writing.	communities settled in the lush lands between the Himalayas and the Hindu Kush mountains in present- day Pakistan. Fertile soils and a steady water supply supported the cultivation of crops, and the river also provided transportation, enabling commerce. Eventually cities like Harappa, Lothal, and Mohenjo-Daro became centers of trade. The Indus River Valley civilization is thought to be among the first to develop a standardized system of weights and measures, including the use of finely calibrated rulers as early as 2400 BCE.	China, while the Yangtze River is almost 4,000 miles long. Both rivers flow east from the Tibetan Plateau and the Himalayan Mountains. The first farmers in China cultivated grasses in the vast floodplains and fertile river valleys formed by the Yangtze and the Yellow in eastern China. Chinese agriculture is known for its sericulture, the rearing of silkworms for the production of raw silk to make fine fabrics. Eventually, demand for silk from China would help connect all of Afro-Eurasia in a system of trade routes called the Silk Road.	arrived from Southeast Asia more than 40,000 years ago. The Pacific island receives plentiful rainfall and contains incredible biodiversity. Scientists estimate that between 5 and 10 percent of all of the planet's species live on Papua New Guinea. Human communities on the island were equally diverse, some taking on agriculture and some sustaining themselves solely as foragers. The region's first farmers (in the Western Highlands) used terraces with complex irrigation systems and practiced crop rotation to increase their yields.	ally corn) may have begun as early as 7000 BCE but the first organized agricultural villages emerged thousands of years later. Several different civilizations rose and fell in this region including the Olmec, which flourished from about 1600 BCE to 400 BCE; the Maya, which flourished from about 250 CE to 900 CE; and the Aztec, which reached its height just before its people were conquered by Spanish conquistado- res in 1520. These Mesoamerican cultures developed complex irrigation systems and produced skilled astronomers and poets.	the regions around the Andes Mountains. Diverse geography and high-altitude settlements supported beans, potatoes, and a hearty protein-rich grain called quinoa. Alpaca and llamas were domesti- cated as work animals and for their wool, which was woven into textiles. By the beginning of the 16th century, the lncas had established a vast empire with tremendous architecture such as Machu Picchu. Within a century, Spanish conquistadores led by Francisco Pizarro had conquered Inca society.
barley flax wheat	barley rice rye wheat	millet rice wheat	sugarcane	amaranth maize (corn) ramón (breadnut)	quinoa
Chickpeas lentils peas	Cotton lentils peas	soybeans	bananas sago taro yams	beans cacao chilies papaya squash tomatoes	beans coca potatoes
cows dogs goats sheep	chickens dogs pigs	chickens goats sheep	dogs pigs	dogs ducks turkeys	alpacas guinea pigs llamas
Wheat Genus: Triticum NUMBER OF SPECIES: 16 1st DOMESTICATION: Southeastern Tur	rkey	Rice GENUS: Oryza NUMBER OF SPECIES: 23 Ist DOMESTICATION: Eastern China 28% CARBOYDRATES 3% PROTEIN 1% OTHER 68% WATER		GENUS: Zea NUMBER OF SPECIES: 1 1st DOMESTICATION: Mesoameric	
REGIONS OF WHEAT PRODUCTION Wheat is grown in more countries and on more land than any other cereal crop		NUTRITIONAL VALUE OF RICE Almost half of the world's population depend on rice as a primary food source		HUMAN FOODS ANIMAL FEEDSTOCKS ETHANOL PRODUCTION U.S. MAIZE (CORN) USAGE Of every 10 ears, humans consume 2, livestock consumes 4, and ethanol production uses 4	

BIG HISTORY PROJECT