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How Plants Domesticated Humans -

How Plants Domesticated Humans -

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AMNH SciCafe How Grains Domesticated Us, James C. Scott, SOAS, University of London

1.21.1 Domestication of Plants

Genomic History of Domestication *HIST*

1121 Lesson 9 - Domesticated Plants

Animals Domestication of plants :

1 Neolithic domestication of plants and animals

5 favorite books about plants

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Plant Books (botany, wildflowers, plant anatomy) *PLANTS Opinion on Plant domestication versus crop evolution The history of the world according to corn - Chris A. Kniesly James C Scott: The Domestication of Fire, Animals, Grains and.....Us*

Plant Advice from 1972 | Advice from

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Vintage Plant Books *What fruits and*

vegetables looked like before we

domesticated them Antique Plant Book

Advice | Plant Advice from 1951! Center

of origin Recommended Books \u0026

Guides On Wild Edibles \u0026 Medicinal

Plants *Why Don't Humans Ride Zebras?*

Plant Evolution How humans made corn.

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The Geography of Livestock Rise of the west 2: Plant domestication

Anthropology Ballad: Domestication Wild vs Domesticated Foods Ep.1 Top 10

Domesticated Animals and Their Origins

An Evolutionary Journey through

Domestication *Domestication|What is*

domestication|Domestication of

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animals Domestication of plants Centres
of origin diversity and domestication

Lecture 8 Plant Breeding Domestication
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The domestication of plants is one of the
first and most crucial steps in the
development of a ...

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Plant Domestication Dates and Locations

domestication. process. Noun. ranch.

Noun. resist. Verb. rice. Noun. saddle.

Noun.

Southwest Asia Europe

*domestication | National Geographic
Society*

The domestication of the plant and the

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subsequent development of agriculture allowed people to set down permanent roots and develop the rich cultures that led to our existence. With agriculture came the production of excess food and sedentary villages that were hitherto unobtainable.

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Plant Domestication - Plant Breeding

Domesticated animals and plants are created by human labor to meet specific requirements or whims and are adapted to conditions of continuous care.

Domestication, the process of hereditary reorganization of wild animals and plants into domestic and cultivated forms

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*domestication | Definition, Of Plants, Of
Animals, & Facts ...*

The first evidence of plant domestication comes from wheat found in pre-Pottery Neolithic villages in Southwest Asia. They are dated at 10,500 to 10,100 BC. The

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Fertile Crescent, Egypt, and India were sites of the earliest planned sowing and harvesting of plants. Agriculture developed independently in a number of places at different times.

Europe
And The Mediterranean
Domestication - Simple English Wikipedia,
the free ...

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Plants are considered domesticated when their life cycle, behavior, or appearance has been significantly altered as a result of being under artificial selection by humans for multiple generations (see the main article on domestication for more information). Thousands of distinct plant species have been domesticated

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throughout human history. The Origin

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List of domesticated plants - Wikipedia

Since only certain plants are being

selected and propagated, domestication

tends to decrease the genetic diversity of

the cultivated varieties of crops (see

Figure below). Because consumers prefer

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uniformity in the marketplace, they
“select” for low genetic diversity. But low
genetic diversity can be detrimental (see
later section).

Southwest Asia Europe

What is domestication?

The domestication of plants and animals
was a major cultural innovation ranked in

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importance with the conquest of fire, the manufacturing of tools, and the development of verbal language. Charles Darwin recognized the small number of traits that made domestic species different from their wild ancestors.

Domestication - Wikipedia

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A wide variety of plants and animals have been independently domesticated at different times and in numerous places.

The first agriculture appears to have developed at the closing of the last Pleistocene glacial period, or Ice Age (about 11,700 years ago).

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*Origins of agriculture - How agriculture
and domestication ...*

Domestication of animals and plants
through history has enabled humankind to
improve their lifestyle. True

Domestication is the process of selecting
wild organisms for their characteristics
and keeping those characteristics the same

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over time.

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*Unit 2: Lesson 1 Domestic vs. Wild
Flashcards | Quizlet*

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Fertile Crescent, Egypt, and India were sites of the earliest planned sowing and harvesting of plants. Agriculture developed independently in a number of places at different times.

Europe

And The Mediterranean Basin

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Another word for domestication. Find more ways to say domestication, along with related words, antonyms and example phrases at Thesaurus.com, the world's most trusted free thesaurus.

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Domestication Synonyms, Domestication

Antonyms | Thesaurus.com

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Plant domestication was initially thought to have first appeared in the Fertile Crescent, with later societies in the Nile, Yellow River, and Indus valleys also adopting domesticated plants. However, now it has become evident that various societies have independently discovered how to domesticate given plants for food

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production.

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*What is the Deep Impact of Plant
Domestication ...*

domestication definition: 1. the process of
bringing animals or plants under human
control in order to provide food, power....

Learn more.

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The Old World The Origin

DOMESTICATION | meaning in the
Cambridge English Dictionary

Because *G. arboreum* is a tropical and subtropical plant, cotton agriculture did not spread outside the Indian subcontinent until thousands of years after its domestication. Cotton cultivation is first

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The Old World Gulf at Qal'at al-Bahrain (ca 600–400 BCE), and in North Africa at Qasr Ibrim, Kellis and al-Zerqa between the 1st and 4th ...

Southwest Asia Europe

The Domestication History of Cotton (Gossypium)

the act or process of adapting a plant to

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cultivation or converting it to household use: The domestication of modern wheat from wild grasses occurred in the Fertile Crescent and fueled the development of Indo-European culture.

*Domestication | Definition of
Domestication at Dictionary.com*

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In the process of domesticating plants, people selected those varieties of certain wild plant species that had desirable features—such as large kernels or fruits—and cultivated them for human use. This marked the beginning of agriculture.

domestication of plants - Students |

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Britannica Kids ...

Domestication of plants and animals marks a major transition in human history that represents a vibrant area of interdisciplinary scientific inquiry.

Consideration of three central questions about domestication—what it is, what it does, and why it happened—provide a

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unifying framework for diverse research
on the topic.

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Cereals; 4.
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In this definitive volume, the authors

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The Old World and subsequent spread of the plants on which Old World food production was founded. Their account is based on the detailed consideration of the plant remains found at archaeological sites and accumulated knowledge about the present-day wild relatives of cultivated plants.

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Domestication Of Plants In

The Old World The Origin

Now in its second edition, this in-depth account reviews the origins and spread of cultivated plants in southwest Asia,

Europe, and northern Africa, from the earliest beginnings through the classical

era. A new chapter is included on dye plants, and the information on vegetables,

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Fruit trees, and several grain crops benefits from recently acquired insight. The authors examine evidence from archaeological sites and living plants to provide a modern synthesis of crop plant evolution, describing the first domestication of plants, where this occurred, and how these species and

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The origin of agriculture is one of the
defining events of human history. Some
10,000 years ago bands of hunter-

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gatherers started to abandon their high-mobility lifestyles in favour of growing crops, and the creation of settled, sedentary communities. This settlement in favour of the agricultural lifestyle triggered the evolution of complex political and economic structures, and technological developments, and

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ultimately underpinned the rise of all the great civilisations of recent human history. Domestication of plants in the Old World reviews the origin and spread of cultivated plants in southwest Asia, Europe, and north-east Africa, from the very earliest beginnings. This new edition incorporates the most recent findings from

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molecular biology about the genetic relations between domesticated plants and their wild ancestors; it adds material on several new crop plants; and it incorporates extensive new archaeological data about the spread of agriculture within the region. The reference list has been completely updated, as have the list of

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Archaeological sites and the site maps.

From reviews of the second edition: "This book is indeed a "mine of information".

An enormous and diverse body of important results is digested and presented economically, in a form that should encourage other authors to mine it and apply the results to their own fields.'

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Nature 'This is an excellent book, suitable for libraries, reference shelves, and anyone who teaches or writes about plant domestication.' Journal of Ethnobiology 'Only a few years after the publication, in 1988, of Zohary and Hopf's textbook, the volume was already out of print.... One cannot be grateful enough to the authors

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that they seized the opportunity to update the book.... An indispensable reference work; a wealth of information is presented in a systematic way.... This already classic textbook has amply proven its value, and hardly needs further recommendation.'

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The origin of agriculture is one of the defining events of human history. Some 11-10,000 years ago bands of hunter-gatherers started to abandon their high-mobility lifestyles in favour of growing crops, and the creation of settled, sedentary communities. This shift into an agricultural lifestyle triggered the

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evolution of complex political and economic structures, and technological developments, and ultimately underpinned the rise of all the great civilisations of recent human history. Domestication of Plants in the Old World reviews and synthesises the information on the origins and domestication of cultivated plants in

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the Old World, and subsequently the spread of cultivation from southwest Asia into Asia, Europe, and north Africa, from the very earliest beginnings. This book is mainly based on detailed consideration of two lines of evidences: the plant remains found at archaeological sites, and the knowledge that has accumulated about the

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present-day wildrelatives of domesticated plants. This new edition revises and updates previous data and incorporates the most recent findings from molecular biology about the genetic relations between domesticated plants and their wild ancestors, and incorporates extensive new archaeological data about the spread

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of agriculture within the region. The reference list has been completely

updated, as have the list of archaeological sites and the site maps.

And Spread Of Domesticated Plants In Southwest Asia Europe

The Agricultural Revolution – including

the domestication of plants and animals in

the Near East – that occurred 10,500 years

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The Old World

ago ended millions of years of human existence in small, mobile, egalitarian

communities of hunters-gatherers. This

Neolithic transformation led to the

formation of sedentary communities that

produced crops such as wheat, barley,

peas, lentils, chickpeas and flax and

domesticated range of livestock, including

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goats, sheep, cattle and pigs. All of these plants and animals still play a major role in the contemporary global economy and nutrition. This agricultural revolution also stimulated the later development of the first urban centres. This volume examines the origins and development of plant domestication in the Ancient Near East,

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along with various aspects of the new Man-Nature relationship that characterizes food-producing societies. It demonstrates how the rapid, geographically localized, knowledge-based domestication of plants was a human initiative that eventually gave rise to Western civilizations and the modern human condition.

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The Old World The Origin

"Past, present and future "The

archaeological materials recovered from

the Anyang excavations ... in the period

between 1928 and 1937...have laid a new

foundation for the study of ancient China

(Li, C. 1977: ix)." When inscribed oracle

bones and enormous material remains were

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found through scientific excavation in Anyang in 1928, the historicity of the Shang dynasty was confirmed beyond dispute for the first time (Li, C. 1977: ix-

xi). This excavation thus marked the beginning of a modern Chinese archaeology endowed with great potential to reveal much of China's ancient history..

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Half a century later, Chinese archaeology had made many unprecedented discoveries which surprised the world, leading Glyn Daniel to believe that "a new awareness of the importance of China will be a key development in archaeology in the decades ahead (Daniel 1981: 211). This enthusiasm was soon shared by the

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Chinese archaeologists when Su Bingqi announced that "the Golden Age of Chinese archaeology is arriving (Su, B. 1994: 139--140)". In recent decades, archaeology has continuously prospered, becoming one of the most rapidly developing fields in social science in China"--

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Biodiversity-the genetic variety of life-is an exuberant product of the evolutionary past, a vast human-supportive resource

(aesthetic, intellectual, and material) of the present, and a rich legacy to cherish and preserve for the future. Two urgent

challenges, and opportunities, for 21st-

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century science are to gain deeper insights into the evolutionary processes that foster biotic diversity, and to translate that understanding into workable solutions for the regional and global crises that biodiversity currently faces. A grasp of evolutionary principles and processes is important in other societal arenas as well,

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Such as education, medicine, sociology,

and other applied fields including

agriculture, pharmacology, and

biotechnology. The ramifications of

evolutionary thought also extend into

learned realms traditionally reserved for

philosophy and religion. The central goal

of the In the Light of Evolution (ILE)

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series is to promote the evolutionary
sciences through state-of-the-art colloquia-
in the series of Arthur M. Sackler
colloquia sponsored by the National
Academy of Sciences Asia-Europe
proceedings. Each installment explores
evolutionary perspectives on a particular
biological topic that is scientifically

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intriguing but also has special relevance to contemporary societal issues or challenges. This tenth and final edition of the In the Light of Evolution series focuses on recent developments in phylogeographic research and their relevance to past accomplishments and future research directions.

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The Old World The Origin

The domestication of plants and animals was one of the greatest steps forward taken by mankind. Although it was first achieved long ago, we still need to know what led to it and how, and even when, it took place. Only when we have this understanding will we be able to

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appreciate fully the important social and economic consequences of this step. Even more important, an understanding of this achievement is basic to any insight into modern man's relationship to his habitat.

In the last decade or two a change in methods of investigating these events has taken place, due to the mutual realization

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by archaeologists and natural scientists that each held part of the key and neither alone had the whole. Inevitably, perhaps, the floodgate that was opened has resulted in a spate of new knowledge, which is scattered in the form of specialist reports in diverse journals. This volume results from presentations at the Institute of

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Archaeology, London University,
discussing the domestication and
exploitation of plants and animals.

Workers in the archaeological,
anthropological, and biological fields

attempted to bridge the gap between their
respective disciplines through personal

contact and discussion. Modern techniques

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and the result of their application to the classical problems of domestication, selection, and spread of cereals and of cattle were discussed, but so were comparable problems in plants and animals not previously considered in this context. Although there were differing opinions on taxonomic classification, the

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editors have standardized and simplified the usage throughout this book. In particular, they have omitted references to authorities and adopted the binomial classification for both botanical and zoological names. They followed this procedure in all cases except where sub-specific differences are discussed and also

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"The Agricultural Revolution - including the domestication of plants and animals in

the Near East --- that occurred 10,500

years ago ended millions of years of human existence in small, mobile,

egalitarian communities of hunters-

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gatherers. This Neolithic transformation led to the formation of sedentary communities that produced crops such as wheat, barley, peas, lentils, chickpeas and flax and domesticated a range of livestock, including goats, sheep, cattle and pigs. All of these plants and animals still play a major role in the contemporary global

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producing societies. It demonstrates how the rapid, geographically localized, knowledge-based domestication of plants was a human initiative that eventually gave rise to Western civilizations and the modern human condition"--

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