

Agriscience fundamentals and applications

2nd edition answers

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What was the great advance in world food production in the 1960s called? green revolution, great increase in production of food grains (especially wheat and rice) that resulted in large part from the introduction into developing countries of new, high-yielding varieties, beginning in the mid-20th century.

What is one relationship of agriscience with many other sciences?

Has food production increased since 1960? Since 1960, food production has increased by 390% while land use has increased by a mere 10%.

Why was it called the Green Revolution? The term "Green Revolution" was first used by William S. Gaud, the administrator of the U.S. Agency for International Development (USAID), in a speech on 8 March 1968. He noted the spread of the new technologies as: These and other developments in the field of agriculture contain the makings of a new revolution.

What are the various areas of science and agriscience? The agricultural sciences and technology are usually seen to encompass the plant, animal and food sciences, soil science, agricultural engineering and entomology.

What is the meaning of rural science? the study and theory of agriculture, biology, ecology, and associated fields.

Which is most likely an agribusiness that helps farmers? Explanation: Tractor dealer is the most likely agribusiness that helps farmers. Tractor dealers provide farmers with the machinery they need for their farming operations. They offer a

range of tractors and other agricultural equipment to help farmers improve their productivity and efficiency.

How did food change in the 1960s? According to the wonderful and useful Food History Timeline, trends in 1960s food included barbecue, fondue, ethnic cuisine, French and haute cuisine (thanks to Julia Child), buffets and, of course, cocktail parties.

How does globalization affect the food industry? Globalization has facilitated the movement of goods across borders, enabling a diverse array of foods to be accessible to consumers worldwide. The expansion of international trade has led to the year-round availability of seasonal and non-native foods.

What led to the increase in food production? In modern times, two main innovations have enabled food production to keep pace with a booming population: fertilisers and machinery. Introduced in the early 1900s, synthetic fertilisers dramatically increased crop yields, removing the need for farmers to use fallows or manure to renew the soil.

Who invented wheat? The cultivation of wheat was started some 10,000 years ago, with its origin being traced back to southeast Turkey. It was called Einkorn (*Triticum monococcum*) and genetically is described as a diploid, containing two sets of chromosomes. At a similar time, Emmer wheat (*Triticum dicoccum*) was being domesticated.

Were neolithic hunter-gatherers? The Neolithic Revolution was the critical transition that resulted in the birth of agriculture, taking *Homo sapiens* from scattered groups of hunter-gatherers to farming villages and from there to technologically sophisticated societies with great temples and towers and kings and priests who directed the labor of their ...

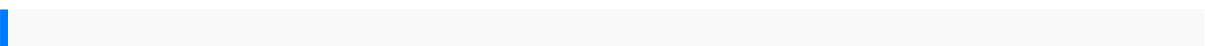
What are the benefits of high yield crops? High Yield Crops- Advantages Higher and improved yield of crops. Most of the high yield crops are dwarf and hence, their plants are stronger and can withstand strong winds. The high yield crops give better response to fertilizers and thus, their production rate increases substantially.

What was food production before the industrial revolution? During this period, farm work involved lots of hard work. Fields of crops all had to be harvested by hand. Most people lived by subsistence farming. Subsistence farmers do not grow food to sell, so only sell food if they grow more than they need., dividing up land to grow crops and sharing land for grazing animals.

What was the increased production of food due to better technology in Britain in the 1700s? The Agricultural Revolution, the unprecedented increase in agricultural production in Britain between the mid-17th and late 19th centuries, was linked to such new agricultural practices as crop rotation, selective breeding, and a more productive use of arable land.

What became known as the cash crop in the New World? Europeans brought plants from Asia, such as sugar and coffee, to grow as cash crops in the Americas. They also turned American plants, like tobacco and cacao, into cash crops.

Who were food exchange lists originally developed for? Food exchanges were originally developed by the American Dietetic Association and the American Diabetes Association as a consumer-friendly tool that health professionals could use in meal planning for diabetic patients [48]. Starting in 1989, the exchange lists were adapted for use in weight management as well.



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