

1. Agronomy.

Definition of Agronomy as a science. Fields of Agronomy. Basic farming practices. Goals of Agronomy.

2. My Future Profession

Profession of an agronomist. Responsibilities of agronomists. Qualifications of an agronomist.

3. Plants and Nature

Plants as important living things. Human life and plants. The role of plants in conservation and protection of the soil

4. Plant Formation Climatic Requirements of Plants.

Elements that make up plant environment. Tundra. Taiga. Grassland. Dessert. Tropical rain forests. Weather and agricultural works in winter, spring, summer, and autumn. Dependence of crop cultivation on weather conditions.

5. Agriculture of Ukraine

Agriculture as a vital sector of the economy of Ukraine. Key areas of plant cultivation. Grain and industrial crops grown in Ukraine. Fruits and vegetables grown in Ukraine. Fields of animal husbandry in Ukraine.

6. Cereal Crops

Major cereal crops. Groups of cereals of crops. Wheat cultivation. Rye cultivation Barley cultivation. Oats cultivation.

7. Industrial Crops

The purpose of growing industrial crops. Groups of cereal crops. Sugar-beet cultivation. Potato cultivation.

8. Legumes

The purpose of growing legumes. Groups of legume crops. Legumes as nitrogen fixers. Legumes in crop rotation.

9. Horticulture

Horticulture is the branch of agriculture. Pomology and olericulture. Common types of fruits. Biological groups or 'families' of vegetables.

10. Crop Rotation

Definition of crop rotation. The purpose of crop rotation. The general rule for balancing out soil nutrients. The choice and sequence of rotation crops

11. Organic Farming

Definition of organic farming. The purpose of organic farming. History of organic farming. Benefits of organic farming.

12. Soils and Types of Soils

What is soil. Types of soil. Clay soils. Silty soils. Loamy soils. Black soils. Peaty soils. Chalky soils

13. Soil Management

Soil as the basis of farming. Soil quality. Improvement of soil fertility. Soil testing

14. Soil Fertilizing

Nutrition of plants. Mineral fertilizers. Organic fertilizers. Synthetic fertilizers. Choice of fertilizers

15. Weeds and Weed Control

Damage from weeds. Classes of weeds. Methods of weed control. Mechanical weed control. Biological weed control

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19. <http://www.bbc.co.uk/worldservice/learningenglish/> - BBC Learning English
20. <http://eslpdf.com/> - Free ESL worksheets, handouts, printables for students and teachers
21. <http://www.englishclub.com/index.htm> - English Club.

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«Agriculture of Ukraine»

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(8 28.08.2024)
(4 15.05.2024)

1. Read the text and translate it into Ukrainian:

Organic farming is a method of farming system which primarily aimed at cultivating the land and raising crops in such a way, as to keep the soil alive and in good health by use of organic wastes (crop, animal and farm wastes) and other biological materials along with beneficial microbes to release nutrients to crops for increased sustainable production in an eco-friendly pollution free environment. It is more economical than the other farming techniques.

The key characteristics of organic farming include

- Protecting the long term fertility of soils by maintaining organic matter levels, encouraging soil biological activity, and careful mechanical intervention
- Nitrogen self-sufficiency through the use of legumes and biological nitrogen fixation, as well as effective recycling of organic materials including crop residues and livestock manures
- Weed, disease and pest control relying primarily on crop rotations / diversity, organic manuring, resistant varieties and limited thermal, biological and chemical intervention.

2. Match the columns A and B to make the sentences.

A	B
The goal of organic farming is to	to the climatic conditions. It can be grown on the loamy soils.
Agronomy deals with	the cultivation of fields for crop production.
Crop rotation helps to avoid or reduce	avoid soil, water and air pollution and sustain the health and productivity of soil life, plants, animals and people.
Rye is not very demanding	problems with soil-borne diseases and some soil-dwelling insects, such as corn rootworms.

3. Match the notions with their meanings. Translate the sentences into Ukrainian.

1. conservation	a) unwanted materials or substances that are left after you have used something;
2. ecology	b) the process of making the air, water, soil etc. dangerously dirty and not suitable for people to use;
3. environment	c) the act of protecting or state of being protected;
4. pollution	d) protection of natural things such as animals, plants, forests etc. to prevent them from being spoiled or destroyed;
5. protection	e) air, water, and land in which people, animals, and plants live;
6. crop rotation	f) the branch of science that deals with the relationships living things have to each other and to their environment.
7. waste	g) the practice of growing a series of different types of crops in the same area in sequential seasons.

4. Speak on the topic «Crop Rotation»