



Field: General Agriculture, Agriproduction

TEST

**CROP ROTATIONS – SUBJECT MATTER,
CLASSIFICATION, ORGANIZING PRINCIPLES**



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Test

1. What is crop rotation?

- a) the growing of the cultural plants for several years on the same place;
- b) co-cultivation of several crops;
- c) the consecutive annual or periodical alternation of the agricultural crops in a certain number of fields for a given interval of time.

2. What is monocrop?

- a) the periodical alternation of the agricultural crops in a certain number of fields for a given interval of time;
- b) the growing of the cultural plants for several years on the same area without any alternation;
- c) growing for a year of a single crop at different fields.

3. Which are the very good previous crops for bread cereals – wheat and rye?

- a) vetch mixtures, vetch for hay, peas mixtures, early potatoes, etc.;
- b) maize, sunflower, beet, oilseed rape, cotton, soybean, pea nuts, and potatoes;
- c) barley and oats.

4. Which are the best previous crops for cereal forage crop – barley?

- a) wheat and rye
- b) sunflower, sugar beet, maize;
- c) alfalfa, clover, sainfoin.

5. Which are the good previous crops for rice?

- a) clover, alfalfa, which develop well on rice soils;
- b) all crops;
- c) sunflower, sugar beet, maize.

6. Which are the very good previous crops for late root crops?

- a) all crops;
- b) maize, sunflower, sugar beet, etc.;
- c) wheat, barley, some vegetable crops.

7. Which are the very good previous crops for vegetable crops?

- a) grown as monocrop;
- b) wheat, some vegetable crops;
- c) previous crops does not matter.

8. Which are the good previous crops for annual legumes – bean, peas, vetch, soybean, lentil, chick pea, faba bean?

- a) fertilized cereals sown on the whole field area and the root crops;
- b) bean, peas, soybean;
- c) perennial legumes.

9. Which are the good previous crops for perennial legumes – alfalfa, clover, sainfoin?

- a) grown as monocrop;
- b) fertilized root crops;
- c) annual legumes.

10. Indicate the correct field crop rotations in non-irrigation areas!

- a) **1st field** – lettuce, green onion and garlic + pepper; **2nd field** – early potatoes, cucumbers + green beans as a second crop; **3rd field** – early cabbage + late cucumbers as a second crop; **4th field** – wheat + lettuce as a second crop, green onion;
- b) **1st field** – alfalfa (3-year usage); **2nd field** – maize; **3rd field** – wheat + silage maize as a second crop; **4th field** – sugar beet; **5th field** – barley + grain maize as a second crop; **6th field** – barley + maize as a second crop;

c) **1st field** – a leguminous crop; **2nd field** – a winter cereal crop; **3rd field** – a root crop; **4th field** – a winter cereal crop.

11. Indicate the correct field crop rotations in irrigated areas!

a) **1st field** – alfalfa (3-year usage); **2nd field** – maize; **3rd field** – wheat + silage maize as a second crop; **4th field** – sugar beet; **5th field** – barley + grain maize as a second crop; **6th field** – barley + maize as a second crop;

b) **1st field** – a leguminous crop; **2nd field** – a winter cereal crop; **3rd field** – a root crop; **4th field** – a winter cereal crop;

c) **1st field** – perennial grasses; **2nd field** – perennial grasses; **3rd field** – maize; **4th field** – maize; **5th field** – annual grasses; **6th field** – barley.

12. Indicate the correct meadow-pasture crop rotations!

a) **1st field** – lettuce, green onion and garlic + pepper; **2nd field** – early potatoes, cucumbers + green beans as a second crop; **3rd field** – early cabbage + late cucumbers as a second crop; **4th field** – wheat + lettuce as a second crop, green onion;

b) **1st field** – perennial grasses; **2nd field** – perennial grasses; **3rd field** – maize; **4th field** – maize; **5th field** – annual grasses; **6th field** – barley;

c) **1st field** – alfalfa; **2nd field** – alfalfa; **3rd field** – rice; **4th field** – rice; **5th field** – rice; **6th field** – wheat (vegetables).

13. Indicate the correct pre farm crop rotations!

a) **1st field** – legumes; **2nd field** – wheat; **3rd field** – cotton; **4th field** – wheat, barley; **5th field** – maize; **6th field** – wheat;

b) **1st field** – winter cereal crop; **2nd field** – tobacco; **3rd field** – maize; **4th field** – winter cereal crop; **5th field** – tobacco;

c) **1st field** – alfalfa; **2nd field** – alfalfa; **3rd field** – alfalfa; **4th field** – silage maize + green rye; **5th field** – silage maize + rye-peas mixture as a second crop; **6th field** – maize.

14. Indicate the correct crop rotations on sloping terrains!

- a) **1st field** – lettuce, green onion and garlic + pepper; **2nd field** – early potatoes, cucumbers + green beans as a second crop; **3rd field** – early cabbage + late cucumbers as a second crop; **4th field** – wheat + lettuce as a second crop, green onion;
- b) **1st field** – annual legumes sown on the whole field area; **2nd field** – winter cereals + intermediate winter crop; **3rd field** – root crop; **4th field** – winter cereals;
- c) **1st field** – alfalfa (3-year usage); **2nd field** – maize; **3rd field** – wheat + silage maize as a second crop; **4th field** – sugar beet; **5th field** – barley + grain maize as a second crop; **6th field** – barley + maize as a second crop.

15. Indicate the correct vegetable crop rotations!

- a) **1st field** – lettuce, green onion and garlic + pepper; **2nd field** – early potatoes, cucumbers + green beans as a second crop; **3rd field** – early cabbage + late cucumbers as a second crop; **4th field** – wheat + lettuce as a second crop, green onion;
- b) **1st field** – a leguminous crop; **2nd field** – a winter cereal crop; **3rd field** – a root crop; **4th field** – a winter cereal crop;
- c) **1st field** – alfalfa; **2nd field** – alfalfa; **3rd field** – rice; **4th field** – rice; **5th field** – rice; **6th field** – wheat (vegetables).

16. Indicate the correct large-leaved tobacco crop rotations!

- a) **1st field** – legumes; **2nd field** – wheat; **3rd field** – cotton; **4th field** – wheat, barley; **5th field** – maize; **6th field** – wheat;
- b) **1st field** – winter cereal crop; **2nd field** – tobacco; **3rd field** – maize; **4th field** – winter cereal crop; **5th field** – tobacco;
- c) **1st field** – perennial grasses; **2nd field** – perennial grasses; **3rd field** – maize; **4th field** – maize; **5th field** – annual grasses; **6th field** – barley.

17. Indicate the correct rice crop rotations!

- a) **1st field** – a leguminous crop; **2nd field** – a winter cereal crop; **3rd field** – a root crop; **4th field** – a winter cereal crop;

- b) **1st field** – winter cereal crop; **2nd field** – tobacco; **3rd field** – maize; **4th field** – winter cereal crop; **5th field** – tobacco;
- c) **1st field** – alfalfa; **2nd field** – alfalfa; **3rd field** – rice; **4th field** – rice; **5th field** – rice; **6th field** – wheat (vegetables).

18. Indicate the correct cotton crop rotations!

- a) **1st field** – legumes; **2nd field** – wheat; **3rd field** – cotton; **4th field** – wheat, barley; **5th field** – maize; **6th field** – wheat;
- b) **1st field** – perennial grasses; **2nd field** – perennial grasses; **3rd field** – maize; **4th field** – maize; **5th field** – annual grasses; **6th field** – barley;
- c) **1st field** – alfalfa; **2nd field** – alfalfa; **3rd field** – alfalfa; **4th field** – silage maize + green rye; **5th field** – silage maize + rye-peas mixture as a second crop; **6th field** – maize.

Note: The correct answers are in red.