

P.4 SCIENCE CLASS WORK. MONDAY 29thJUNE 2020

Advantages of early planting.

- ❖ Crops make full of rain for the season.
- ❖ Cereals mature early therefore get good market.
- ❖ Crops grow fast enough and compete with weeds light, nutrients and water before they grow.

WEEDING.

This is the removal of unwanted plants from the garden.

Examples of weeds.

- Spear grass
- Elephant grass
- Black Jack
- Star grass
- Wandering Jew
- Guinea grass
- Thorn apple

Garden tools for weeding.

1. Hand fork
2. Slasher.
3. Hoe

Dangers of weeds in the garden

- They compete for light, water, nutrients and space with crops.
- They encourage easy spread of pests.
- They encourage easy spread of diseases.
- They make harvesting difficult.

ACTIVITY

- 1.What is weeding?
- 2.Write down one example of weeds.
- 3.Name one garden tool used for weeding.
- 4.**State one danger of weeds.**

TUESDAY ,30thJUNE 2020

Uses of weeds.

- Some are eaten as food.
- some are used as mulches.
- some are food for animals.
- some are used as herbal medicine.

Ways of controlling weeds.

- 1.slashing
- 2.Staying using herbicides.
- 3.Uprooting.
- 4.Crop rotation.
- 5.Mulching.
- 6.digging

MANURING

The putting of manure in the soil to make it more fertile.

Sources of manure.

- Animal dung and urine.
- Plant remains.
- Green plants.

TYPES OF MANURE.

- 1,Compost manure:It is got from plant materials and animal wastes.
- 2,Green manure: It is got from ploughed , buried and rotten green materials like legumes.
- 3,Farm yard manure: (FYM) It got from farm animal wastes, urine and decayed materials.

ACTIVITY.

- 1.Mention one way of controlling weeds.
- 2.Give one use of weeds to people.
- 3.Write down one source of manure.
- 4.Which type of manure is got from animal urine and dung?
- 5.Write FYM in full.

WEDNESDAY, 1st JULY 2020

PESTS:

A pest is an animal that destroys crops.

Examples of crop pests.

- Army worms.
- Birds
- Rats.
- Squirrels
- Aphids
- Snails
- Cotton stainer
- Termites
- Banana weevil
- Bean weevil
- Maize weevil

Dangers of crop pests.

_They weaken plants.

_They lead to low produce.

_They lead to poor growth of crops.

They destroy crops.

Ways of controlling crop pests.

- .Spraying with pesticides.
- Using scare crows.
- Planting pest free materials.
- Regular weeding.
- Uprooting and burning infected crops.
- Proper spacing.
- Early planting
- By trapping
- By fencing
- By poisoning
- Early harvesting.

ACTIVITY.

- 1.What are crop pests?
- 2.Mention two examples of crop pests.
- 3.State one danger of crop pests.
- 4.Suggest one way of controlling crop pests

THURSDAY, 2nd JULY 2020

CROP DISEASES

Some crop diseases

Diseases.

Cassava Mosaic _cassava

Laef rot. _cassava

Tomato blight. _tomatoes

Ground nut Rosette _ground nuts

Leaf spot _maize

Maize streak _maize

Powdery mildew _mango, pawpaw

Smuts. ,_sugarcane, maize

Rust, _cereals

Panama _banana

Ways of controlling crop diseases.

-By crop rotation

-Spraying with chemicals.

-Planting healthy materials

-Proper spacing

-Early planting

-Uprooting and burning infected ones.

ACTIVITY

1.Name one disease that affect cassava plant.

2.Which disease attacks bananas?

3.Name the disease that attacks cereals.

4.Mention one way of controlling crop diseases.

FRIDAY, 3rd JULY 2020

CROPROTATION

The growing of different types of crops on the same piece of land seasonally.

Advantages of crop rotation.

_Keeps the soil fertile.

- Controls soil erosion.
- Controls croppests.
- Controls crop diseases.

NB

1. Legumes are alternated with non legume plants. Why? They make soil more fertile since nutrients add nutrients to the soil

2. Shallow rooters are alternated with deep rooters. Why? This balances the use of nutrients from soil at different levels.

Uses of water in the soil.

- It makes the soil soft for roots to grow easily.
- It is used for seed germination.
- Plants use water to make food.
- It softens the ground for easy weeding.
- Cools the plants during transpiration.

ACTIVITY

1. Explain the word crop rotation.

2. Give one advantage of crop rotation.

3. Why are legumes alternated with non legumes during crop rotation?