Agriculture

Questions

1. Mr Rona is the district extension officer

in charge of two sub countries of Nenda and

Ndeka. Last month the carried out supervisor

of cercal gardens for various farmers with

in the area. He first three gardens

1she visited had health crops growing well and

weeds had been done well . The last gardens

she visited were not doing well since the

crops were struggling with other plants that

the farmers had little idea about. On interviewing

the farmers with these problematic plants , she was

told that the farmers had tried to eliminate it but it

difficult since fune had rhizomes , produced

many seeds , grow faster than crops. She picked

samples A ,oxillas latifolia, couch grass B, black jackC

wondering jew D for analysis at the district laboratories.

Carefully observe specimen D ,P,Q and R .

(a) Help the farmer identify each and scientific local name and scientific

A\_oxillas lafifolia. oxalis articulata

B. Coach grass cynodon dactylon

C. Black jack biden pilosa

D. Wandering jew comelina benghalensis

(a) Describe their xtics

They posses rhizomes that store for use during harsh conditions

They produce a lot of viable seeds

They grow faster

They are more resistant to pests and diseases

The weeds are more aggressive than crops.(b)Show the farmers how the specimen may

affect crops production.

They lead to loss for reduction in crops yields because

the out compete with crops for instruments

They lower the quality of produce

They increase the cost of products

Some weeds are poisonous to man and animals.

They reduce the plants size and height which lead to

less photosynthesis area for plants.

Some are alternate hosts for some crop pests.

(C)Describe the measures that farmers should take to

overcome each of the plants in the garden growing

Crops rotation growing cover crops helps to , suppress weeds.

Early planting enables the crops to establish and grow early before weeds

reach their competitive age

mulching this helps to suppres the weeds.

Proper spacing. This enables the crops to

smoother the weeds at an early stage when the weeds are still weak

and not yet established.

Hand pulling weeds are up rooted together

with their roots and left to die and dry

Trap cropping.this allowing weeds to grow on

a host plant which is then ploughed into the soil

when the weeds are still green before producing seeds.

2. State observable conditions of the specimen W

Milking Un groomed animals

Milking with contaminated hands

Milking in dirty places

Milking using dirty containers

Unsieved milk from the milk palour

How can the conditions of specimen W be avoided grooming

the animals udder to prevent hairs from falling into milk.

Sieving or restraining milk to remove hair or foreign objects from the milk

Milking animals in a clean parlour to prevent dirt from containing milk

Milking in a clean containers tree from dirt to prevent milk from getting

spoilt

Milker should wash and dry his or her hands to prevent milk from getting

contaminated the milker should put on clean clothes to prevent the hair

from falling into the milk.

C. Test specimen W with both blue and red litmus paper and record your

observation.

Blue litmus turns red, red litmus paper remains red.

3. You are provided with specimen k (egg candler)

Fertilized egg with developing chick and Un fertilized egg

(a) identify specimen k and state it's use

(i) identify\_\_\_\_\_\_ egg candler

(ii) use \_\_\_\_\_\_\_\_To detect abnormalities in eggs

(b) Place specimen L into the hole on specimen k and switch on the

light. Look through L and received your observation

It is fertilized egg because it has a developing chick

(ii) Repeat the same procedure in b (i) with specimen M

It is in fertilized egg because it has no developing embryo

Basing on your observation in b(I) and b(ii) , what conclusion can you draw

about the suitability of specimen L and in human consumption on L

It is not suitable for human consumption

Reason

It has developing embryo.

Conclusion on M

It is suitable for human consumption

Reason

It is un fertilized egg or it has no developing chick