



Solution 31:

During the grain storage, if the loss is due to the biotic factors which includes insects, rodents, birds, mites, fungi and bacteria, then it shows the presence of pests in the grain stores.

Solution 32:

Spraying:

(i) Spraying requires mechanical devices such as manual sprayer or mechanical sprayer.

(ii) It is less effective than fumigation.

Fumigation:

(i) It does not require any mechanical device.

(ii) It is more effective than spraying.

Solution 33:

Milk is rich in fat, tocopherol, proteins, calcium, and phosphorus and contains low sodium, potassium and cholesterol. It is ideal for making milk products like ghee, curd etc. Milk in comparison to other food products such as egg and meat contain all the major food constituents such as carbohydrates, proteins, fats, minerals, water and vitamins such as A and D.

Solution 34:

The animals which provide us food are cow, buffalo, hen and fish.

Solution 35:

Animal products used as food are: Milk, egg, meat, honey.

Solution 36:

Roughage:

(i) Roughage contains fibres such as green fodder, silage, hay and legumes.

(ii) It is high in fibre.

Concentrates:

(i) Concentrates are a mixture of substances which are rich in one or more nutrients.

(ii) It is low in fibre.

Solution 37:

The daily average feed of a cow is given below:

(i) Green fodder and dry grasses (roughage) = 15 to 20 Kg.

(ii) Grain mixture (Concentrates) = 4 to 5 Kg.

(iii) Water = 30 to 35 litres.

Solution 38:

The sources of concentrates are cotton seeds, oil seeds, grains of maize, oats, barley, jowar, bajra, gram and their by products such as wheat bran, rice bran, gram husk, oil seed cakes and molasses.

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