Sampling

1. Explain the importance of a seed lot having homogeneity.
2. How do you secure a representative sample?
3. What is the meaning of free-flowing seed and non-free-flowing seed?

 Give examples of both.

1. For seeds in containers weighing 60 pounds or less, what is the minimum number of containers to sample for a lot having 140 containers?
2. How do you obtain a representative sample from a storage bin or dump trailer?
3. Give them minimum weights for samples of seed to be submitted for analysis, test, or examination:

 White clover

 Millet

 Sundangrass

 Cereals

 Tree & Shrub

 Coated, encrusted, or pelleted seed

1. Upon receiving a sample of corn, you realize the size of the submitted sample is less than required. How do you report this?
2. What are the storage recommendations of seed samples after testing is completed?
3. Give some reasons why a seed lot would not be uniform.
4. How many bags would you sample if a lot contained

5 bags

10 bags

15 bags

100 bags

1000 bags

Sampling True or False

1. Unless a trier has partitions in the seed chamber, it must be inserted in the bag vertically.
2. Regardless of the lot size, it is not necessary to sample more than 25 bags.
3. Rules and procedures for sampling under various conditions have been established by AOSA and ISTA.
4. No matter how accurately an analysis is made, it can only show the quality of the sample submitted.
5. A “Thief Trier” is appropriate for obtaining a representative seed sample.
6. It is the responsibility of the seed sampler to assure that the sample is representative of the seed lot.
7. A seed lot can be described as; the number of pounds or weight of the lot size, must have all portions being homogeneous, and must have an identifying lot number.
8. Deviation from the correct sampling procedure makes all subsequent testing results

meaningless.

1. Chaffy grasses, uncleaned seed, and large fragile seed, that are difficult to sample with a probe or trier can be sampled by the hand sampling method.
2. A sample in which the actual analysis is performed is called the submitted sample.