**Pelleted, Coated, & Encrusted Seed**

[**https://www.surveymonkey.com/r/2324PEC**](https://www.surveymonkey.com/r/2324PEC)

1. What is the minimum number of seeds to be submitted for a purity analysis on coated seeds?
   1. 7,500
   2. 2,000
   3. 30,000
   4. 1,000
2. What is the maximum weight to be used for pelleted seed in Table 2A for which the working sample weight of raw seed is 500 grams?
   1. 500 grams
   2. 1,000 grams
   3. 750 grams
   4. 4,354 grams
3. When removing the coating prior to planting the seed shall be allowed to dry and be planted within how many hours?
   1. 12
   2. 36
   3. 24
   4. 72
4. When phytotoxic symptoms are evident in coated seed planted in paper substrate, which of the following substrates should be used for a retest? (select all that apply)
   1. Sand
   2. Soil
   3. Clay
   4. Organic growing media
5. When reference is made to coated seed units the rules also apply to which of the following: (select all that apply)
   1. Pelleted
   2. Seed tape
   3. Seed mat
   4. Coated
   5. Encrusted
6. When coating is not required to be removed, the purity is required to be separated into which of the following parts: (select all that apply)
   1. Inert matter
   2. Uncoated crop seed
   3. Uncoated weed seed
   4. Uncoated pure seed
7. On a coated purity inert matter shall include (select all that apply)
   1. Uncoated pure seed units of the crop kind being tested
   2. Loose coating material
   3. Broken and damaged coated seed units in which more than half of the surface is still covered by coating.
   4. Free seeds of weed species
   5. Broken coated units in which it is obvious there is no seed
   6. Any other material clearly defined as inert matter
8. When the coating is required to be removed prior to the purity, the purity shall be separated into which of the following components: (select all that apply)
   1. Other crop seed
   2. Kind considered pure seed
   3. Inert matter
   4. Coating material
   5. Weed seed
9. What is the minimum number of seeds to be submitted for a noxious or bulk examination?
   1. 1,000
   2. 7,500
   3. 30,000
   4. 25,000

Match the following words with the definitions below:

1. Raw seed
2. Seed Mat
3. Coated or encrusted seed
4. Inoculated seed
5. Treated seed
6. Pelleted seed
7. Film coated seed
8. Seed Tape
   1. broad sheets of material, such as paper or other degradable material, with seeds placed throughout the material randomly or in organized rows or groups.
   2. seed that has been covered by a layer(s) of materials that obscure the original shape and size of the seed resulting in a substantial weight increase.
   3. seed that has received a coating of a commercial preparation containing a microbial product, e.g. Rhizobium sp.
   4. Narrow strips of material, such as paper or other degradable material, with seeds placed randomly, in groups of two or more seeds, or in a single file line.
   5. seed that is free of any applied materials.
   6. seed with a minimal covering of various materials whose primary objective is to reduce or control certain disease organisms, insects or other pests attacking the seed or seedlings growing therefrom and that contains identifying colorants or dyes.
   7. retains the shape and the general size of the raw seed with a minimal weight gain. May contain polymers, pesticides, biologicals, identifying colorants or dyes, and other additives. The coating should result in a more or less continuous covering that eliminates or minimizes product dust-off.
   8. seed that has been covered by a layer(s) of materials that obscure the original shape and size of the seed resulting in a substantial weight increase and improved plantability or singulation.
9. **True False** For coated seed pleated paper may not be used for a germination test instead of

the listed substrate.

1. **True False** When the coating percentage is required to be labeled the sample doesn’t have

to be washed.

1. **True False** When conducting a de-coated purity, the weight of the coating material is

determined by subtracting the sum of the weights of the four components from

the original weight of the working sample.

1. **True False** Mechanical dividers should only be used if the distance of the fall does not damage the applied materials.
2. **True False** Coated seed shall be placed on the substate in the condition in which they are received unless the sample was decoated for purity analysis.
3. **True False** The weight of the working sample must be determined separately for each lot of

pelleted, coated or encrusted seed.

1. Calculate the purity percentages to be reported on the following de-coated sunflower sample.

Coated working weight = 246.3g

Pure Seed 97.64g  
Other Crop 2.32g  
Weed Seed 0.01g  
Inert Matter 2.91g

1. Pure Seed %
2. Other Crop %
3. Weed seed %
4. Inert matter %
5. Coating %