

# Collecting Feed Samples

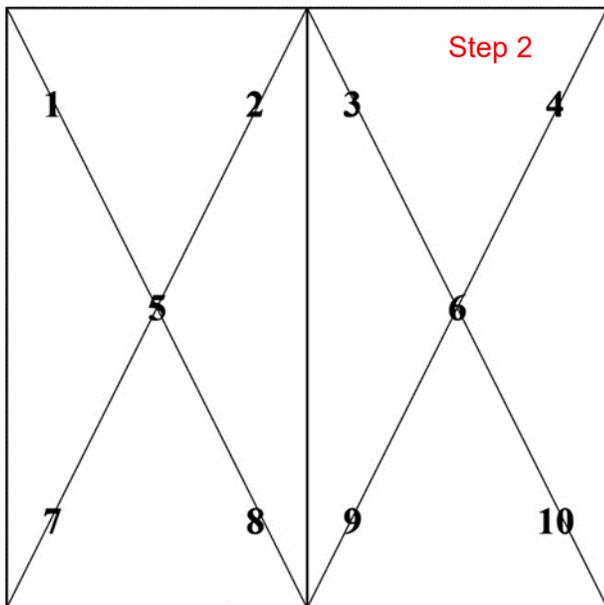
## How to Collect Feed Samples with Sleeved Feed Probes

Supplies needed:

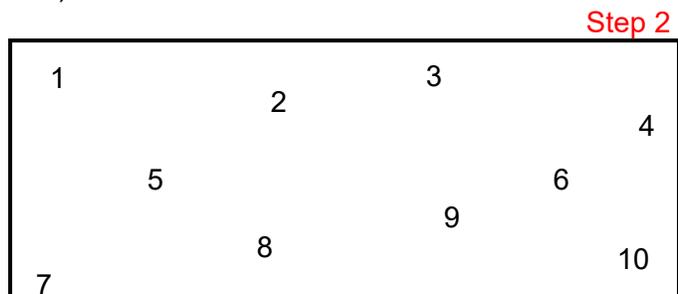
- Sleeved feed probe (an example shown below)
- Whirlpack or plastic storage bag
- Nitrile or latex gloves
- Disinfectant wipes
- Permanent marker



1. Get to a location where the sampling person can have an overview of the container with the desired feed ingredient or complete feed to be sampled. Wipe down the exterior and interior of the double sleeved feed probe with a disinfectant wipe. Let dry before using.



2. Put on a new pair of gloves. When looking down at the container, position the probe in the locations shown by the numbers in the picture on the left. When inserting the probe into the feed ingredient or complete feed, the depth of the feed probe should vary with each sample (as shown in the picture below which is a side view of the container; methodology based on the American Association Feed Control Officials Feed Inspectors Guide and bulk sampling methodology by Jones et al., 2019).



3. After each probe sample is taken from the container, deposit the feed collected from the probe into a Whirlpack or plastic storage bag. All ten probe samples should be placed in the same Whirlpack or plastic storage bag.

4. Seal plastic bag. With the permanent marker, write the following information on the bag: sample number, sampled material, and sample date. Wipe down the exterior and the interior of the feed probe with a disinfectant wipe as best as possible. Take off and discard used pair of gloves.

## How to Collect Feed Samples via Cut Stream

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Supplies needed:

- 8 ounce cup or container
- Whirlpack or plastic storage bag
- Nitrile or latex gloves
- Permanent marker
- Disinfectant wipes

1. Determine how long it will take to unload the feed ingredient in minutes. Convert that length of time into seconds and divide by ten. This will be referred to as the sampling interval. Wipe out the exterior and interior of the 8 ounce cup with a disinfectant wipe and let dry before using.

2. Put on a new pair of gloves. When the feed ingredient begins unloading, place the 8 ounce cup into the stream of the feed ingredient or complete feed, approximately 4 inches from the edge of stream (as shown in the picture below). Let the cup fill up half way then remove the cup from under the stream. Open plastic storage bag or Whirlpack, dump feed ingredient or complete feed from the cup into the bag.



3. Wait for the designated sampling interval and take another sample from the stream using the same 8 ounce cup. Each time the cup is filled half way, dump the sample from the cup into the same plastic storage bag or Whirlpack.

4. Repeat this process until a total of 10 samples have been taken with the cup.

5. When done, seal the Whirlpack or plastic storage bag. With the permanent marker, write on the bag the following information: sample number, sample material, and sample date. Disinfect the exterior and interior of the 8 ounce cup with a disinfectant wipe. Take off and discard used pair of gloves.

## How to Collect Feed Samples with Single Tube Trier

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Supplies needed:

- Single tube trier, at least 25 inches long (an example shown below)
- Whirlpack or plastic storage bag
- Nitrile or latex gloves
- Disinfectant wipes
- Permanent marker
- Duct tape



1. Select 10 bags of the desired feed ingredient or complete feed to be sampled that are in the same lot of manufacturing. Wipe off the exterior and interior of the single tube trier with a disinfectant wipe, let dry before using.
2. Lay one of the bags on the floor. Put on a new pair of gloves. Rotate the single tube trier so that the opening is facing down. Then, with the slot still facing down, insert the single tube trier into the top left corner of the bag.
3. Continue to pass the single tube trier within the bag until the tip of the single tube trier makes contact with, but does not puncture, the bottom right corner of the bag.
4. With the trier still positioned in the bag diagonally, rotate the single tube trier in a counter clock wise rotation so that the empty compartment is filled with the material present in the bag. Remove the single tube trier from the bag, making sure that the compartment is facing up (picture for steps 2 through 4 is shown in figure 1).
5. Dump the contents of the single tube trier into the plastic storage bag or Whirlpack. Rip off a piece of duct tape and seal the hole made by the single tube trier in the bag.
6. Repeat steps 2-5 with each individual bag for a total of 10 single tube trier samples for each individual bag. All 10 subsamples should be placed in the same plastic storage bag or WhirlPack. With the permanent marker, write on the bag the following information: sample number, sampled material, and sample date. Take off and discard used pair of gloves.

**Figure 1.** How to take a single tube trier sample in bagged feed or feed ingredients based on the American Association Feed Control Officials Feed Inspectors Guide

Steps 2 - 4

