

# Sampling Bulk Seed Corn

## Primary Sample Collection

Stream sampling is accomplished by passing a sampling container across the entire seed stream. Seed should not bounce out of sampling container and entire stream should be sampled. Inspect each primary sample (2-3 pounds of seed) for uniformity; primary samples are combined to form the composite sample. Frequency of sampling is based on size of lot and amount of reference sample needed.



A sampling device (such as a coffee can with a compressed 1" opening and a handle attached) is used for stream sampling.

## Composite Sample

Mixing the composite sample is a critical step. Mix entire sample thoroughly (3-4 times) using a conical divider or pan method. Complete mixing before any reductions (repeatedly halving) to obtain the submitted sample for testing.



## Sample Submitting

Obtain a 1-2 pound sample by repeatedly halving the composite sample. Apply seed treatments at prescribed rates (or MWSS can treat) and allow seed to dry before filling bags ¾ full. Use moisture barrier bags to insure representative seed moisture content similar to bulk lot.



## Bulk Sampling Frequency

The table defines the number of primary samples to be taken based on the lot size.

Lot Size Pounds (based on 56#/bushel)	Lot Size Bushels	Number of primary samples to be taken
14,000	250	One for each 1,100 lbs or 13.
28,000	500	One for each 1,100 lbs or 25.
42,000	750	One for each 1,540 lbs or 27.
56,000	1,000	One for each 1,540 lbs or 36.
≥62,000	≥1,107	One for each 1,540 lbs but not more than 40.



**Sample Track**® software provides testing information on bar-coded labels for sample bags. Carefully pack samples for shipping.

Sample Track® is a registered trademark of SGS Mid-West Seed Services, Inc.

### Ship to:

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# Sampling Bagged Seed Corn

## Seed Bag Sampling



A 39" double tubed trier probe is used to sample corn bags. The trier has six openings measuring 0.75" wide x 2.5" long.



### Marking the Bags to Probe

Select bags to sample at random as seen marked in photo to the left. Start sampling with the lowest bag and sample upward toward the top bag.



**Insert the probe** diagonally across the bag.



**Seal the sampling hole** with a "Quality Checked" adhesive patch.

## Sampling Frequency of Bagged Corn

No. Bags in lot	No. Bags to sample
7	6
10	6
23	7
50	10
100	15
200	25
300	30
400	30

## Composite Sample

Mixing the composite sample is a critical step. Mix entire sample thoroughly (3-4 times) using a conical divider or pan method. Complete mixing before any reductions (repeatedly halving) to obtain the submitted sample for testing.



## Submitted Sample

Obtain a 1-2 pound submitted sample by repeatedly halving the composite sample. Fill sample bags  $\frac{3}{4}$  full. Use moisture barrier bags to insure representative seed moisture content similar to bulk lot.



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