

Sampling Intensity for ISTA Rules for Seed Testing

Table 2.1. Minimum sampling intensity for seed lots in containers of 15 kg to 100 kg capacity (inclusively). -Chapter 2 ISTA Rules

For seed lots in containers of 15 kg to 100kg capacity (inclusively), the following sampling intensity shall be regarded as the minimum requirement

Seed Lots in containers of 15 -100 kg capacity (33-220 lbs.)	
Number of containers	Number of primary samples
1-4	3 from each container
5-8	2 from each container
9-15	1 from each container
16-30	15 from the lot
31-59	20 from the lot
60 or more	30 from the lot

For seed lots in containers smaller than 15kg capacity, containers shall be combined into sampling units not exceeding 100kg and the sampling units shall be regarded as containers in the sampling scheme above.

When sampling seed in containers of more than 100 kg, or from streams of seed entering containers the following shall be regarded as the minimum requirement.

Table 2.2. Minimum sampling intensity for seed lots in containers of more than 100 kg, or from streams of seed entering containers. -Chapter 2 ISTA Rules

Seed Lots in containers of >100 kg (220 lbs.) and greater, stream sampling	
Lot size	Number of primary samples
Up to 500 kg (1,100 lbs.)	At least 5
501-3000 kg (9,020 lbs.)	One primary sample for each 300 kg (660 lbs.), Not less than 5
3001-20,000 kg (44,000 lbs.)	One primary sample for each 500 kg (1,100 lbs.) Not less than 10
20,001 kg and above (44,002 lbs.)	One primary sample for each 700 kg (1,540 lbs.) Not less than 40

When sampling a lot of up to 15 containers, regardless of their size, the same number of primary samples shall be taken from each container.

Sampling Intensity for AOSA Rules for Testing Seeds

1.3 Sampling Intensity. Obtaining a Submitted Sample (AOSA Rules)

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

* For lots of one to six bags, sample each bag and take a total of at least five cores or handfuls.

* For lots of over six bags, sample five bags PLUS 10% of the total number of bags, but do not sample more than 30 bags.

¹From 2009 ISTA Rules for Testing Seed

Crop Kinds with Matching Trier Size

Seed Sizes	Example Crop Kinds	Minimum Slot Width	Sleeve Trier	Nobbe Trier (Bag Sampling Only)
Small, maximum seed length 4 mm ($\approx 1/8''$)	Clovers, Timothy, Brassicas, Alfalfa, fine grasses (e.g. bluegrass), small vegetables (e.g. carrot, alfalfa)	7 mm $\approx 1/4''$	Vertical Sampling Partitioned Probe See E below.	See G below. Should be sufficient to reach the center of all types of bags. Internal diameter of tube slightly less than 10 mm ($3/8''$) is sufficient.
			Bag Sampling See D below.	
Medium, maximum seed length 8 mm ($\approx 5/16''$)	Cereals, Flax, medium-large grasses (e.g. orchardgrass, ryegrass, brome, fescue) medium vegetables (e.g. asparagus)	14 mm $\approx 1/2''$	Vertical Sampling Partitioned Probe See B below.	See F below. Should be sufficient to reach the center of all types of bags. Internal diameter of tube should be approximately 14 mm ($1/2''$).
			Bag Sampling See C below.	
Large, seed length 15 mm + ($\approx 5/8'' +$)	Pea, Bean, soybean, corn, large vegetables (e.g. cucumber)	19 mm $\approx 3/4''$	For Vertical or Bag Sampling See A Below.	N/A



Probe	Length (in.)	Width (in.)	Slot size (in.)
A	40	$1\frac{1}{2}$	$\frac{3}{4} \times 2\frac{3}{8}$
B	39	$\frac{3}{4}$	$\frac{1}{2} \times 2\frac{9}{16}$
C	39	$\frac{3}{4}$	$\frac{1}{2} \times 2\frac{9}{16}$
D	30	$\frac{3}{4}$	$\frac{1}{2} \times 2\frac{1}{2}$
E	29	$\frac{5}{16}$	$\frac{1}{4} \times 1\frac{5}{8}$
F	$19\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{2} \times 2\frac{1}{2}$
G	18	$\frac{1}{2}$	$\frac{3}{8} \times 1\frac{9}{16}$
H	$6\frac{1}{8}$		Dollar bill

A. Sleeve Trier (partitioned) **B.** Sleeve Trier (partitioned) **C.** Sleeve Trier (non-partitioned)
D. Sleeve Trier (non-partitioned) **E.** Sleeve Trier (partitioned) **F.** Nobbe Trier **G.** Nobbe Trier **H.** Dollar Bill