

How to Take a Grain Sample

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How many fields are you harvesting?

Based on how many bins you're putting your harvested grain in, you'll need 5-gallon buckets / pails for each bin.

We suggest that you consider 1 pail of sampled grain for each 10,000 bushels that you store.
(Use our chart below!)

If you are storing 10,000 bushels (bu) in one bin, you should have one 5-gallon bucket/pail available / situated near the bin.

If you are storing grain from the same field in more than 1 bin, you'll need a pail for each bin.

1 bucket/pail = 10,000 bu. If a bin has over 10,000 bushel storage capacity, you should have more than 1 pail.

Example #1: 15,000 bushels = 2 pails

Example #2: 20,000 bushels = 2 pails

Example #3: 25,000 bushels = 3 pails

Example #4: 30,000 bushels = 3 pails

Example #5: 35,000 bushels = 4 pails

Bins / Bushels / Sample Pails Needed

Bushel	Bin	Pail	Pail(s) for Sample	Pail(s) for Mixing
10,000	1	1	1	0
10,000	2	3	2	1
15,000	1	3	2	1
20,000	1	3	2	1
20,000	2	3	2	1
25,000	1	5	3	2
25,000	2	7	4	3
25,000	3	5	3	2
25,000	4	7	4	3

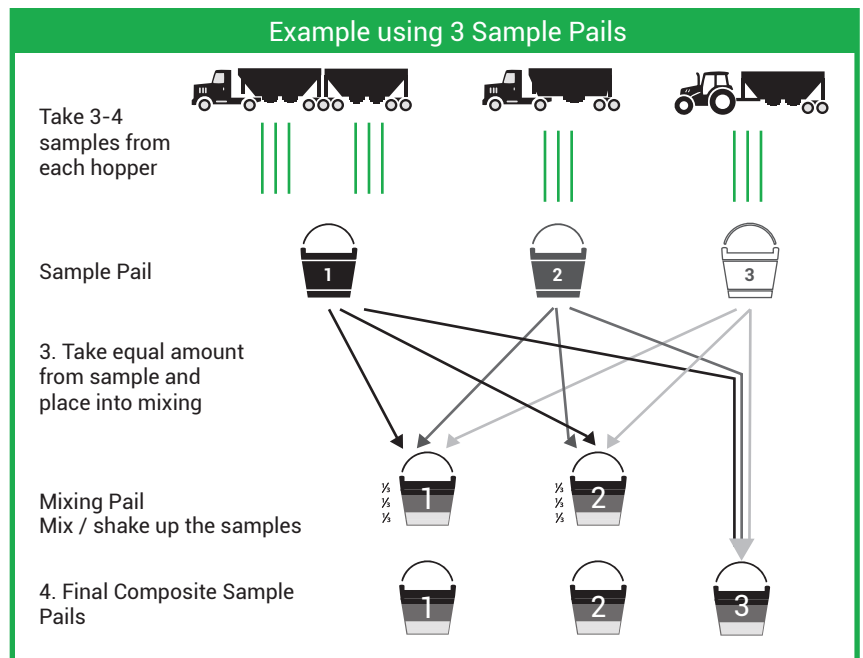
With each unload from a specific hopper of a truck or grain cart, you should be taking 3-4 samples from it.

1 sample equals about 1 cup of grain.

For example, a Super-B truck has 2 hoppers in it. Each hopper should have 3-4 samples taken from it and put into the specific pail associated with the bin that the grain is being unloaded into.

To create composite samples for all the grain in the bin(s), do the following:

1. Set up a separate mixing pail(s) (refer to chart)
2. There should be 1 less pail than all of the sample pails. For example, if you have 3 sample pails, there should be 2 more mixing pails. This means a total of 5 pails are needed.
3. Pour an equal amount from each of the sample pails into an empty mixing pail. Repeat for other empty pails. Mix / shake up the samples. For example, if you had 3 pails filled with sampled grain, you would pour 1/3 of each pail into the 2 empty mixing pails.
4. Take the remaining sampled grain in each sample pail and pour it all into one of the sample pails. Using the example above, you should now have 3 mixed pails of composite



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