

A simple guide to self-sampling



Sampling guidelines

If grain is not cleaned/dried going into store, take samples as the trailer arrives at store from the field.

Take two 500g samples from each trailer as it tips into storage. Take a 500g sample quarter way through tipping the load, and another at three quarters tipped. **Never stand behind a tipping trailer.**

Tip sub-samples from each trailer into a large clean bucket and mix thoroughly to form an aggregate sample representing no more than 50 tonnes for quality grains and 100 tonnes for feed grains.

Take a 1kg portion from the aggregate bucket, mixing thoroughly, to fully fill a Frontier sample bag.

Alternatively, 250g incremental samples should be taken every 10 tonnes from the cleaner or drier outlet.

If you must sample from the heap, samples should be taken evenly over an area representing no more than 50 tonnes (for quality grain) or 100 tonnes (for feed grain). A 2 metre, multi-aperture, sequential opening grain spear should be used.

Sample bags should be filled to the top, the air expelled and sealed tightly. Label the bag following the instructions to the right.

To arrange sample collection, please call your Frontier farm trader.

Labelling a Frontier grain sample bag

Complete the green area of the sample bag fully, giving as much detail as possible (in block capitals).

Sample locations

Three pieces of information need to be established:

- A FARM WHERE STORED** - name of the farm where bulk is located - e.g. Grain Farm
- B STORE IDENTITY** - identify where on the farm the bulk is stored - e.g. Black Barn
- C LOCATION IN STORE** - the location of the sample within the bulk.

Grain location in flat stores

Back	
Left	Right
Bay 1L	Bay 1R
Bay 2L	Bay 2R
Bay 3L	Bay 3R
Front	

Use the bays as markers numbering from the back (or first filled end of the store). Also, Left hand side (LHS), Right hand side (RHS), and Middle in a large store.

e.g. **In the Black Barn at Grain Farm**

Bay 1 Left should be labelled on the sample bag as: **Grain Farm/Black Barn/1LHS**

Bay 3 Right should be labelled on the sample bag as: **Grain Farm/Black Barn/3RHS**

Grain location in bins

Back	
Left	Right
Bay 1L	Bay 1R
Bay 2L	Bay 2R
Bay 3L	Bay 3R
Point of access Front	

If the bins are numbered on the farm, use the existing bin numbers. If the bins are not numbered - number from the back towards the point of entry and/or from left to right.

Indoor bins

e.g. **In Indoor bins at Grain Farm**

1st bin on left should be labelled on the sample bag as: **Grain Farm/Indoor Bin/1LHS**

Outdoor bins

e.g. **In Outdoor bins at Grain Farm**

3rd bin from left should be labelled on the sample bag as: **Grain Farm/Outside Bin 3**

The form is a structured label for a grain sample bag. It includes fields for 'Sample number' and 'Sequence' at the top. Below that, it asks for 'Account Name' (GRAIN FARM) and 'Account Number' (1234567). The 'Account Address' is GRAIN FARM, FARMTOWN, FR11 1FR. It also includes 'Frontier Farm Trader' (JOHN SMITH), 'Sample Date' (01/01/2016), and 'Sampled By' (checked 'Sampler'). The 'Commodity' is BARLEY, 'Variety' is PROPINO, and 'Tonnage sample represents' is 50. A 'Grain location' section has three fields: 'Farm where stored' (GRAIN FARM), 'Store ID' (BLACK BARN), and 'Location in store' (1LHS). There are checkboxes for 'Fuel spillage', 'Smell', 'Vermin', 'Ergot', and 'Glass'. A 'Frontier Use Only' section has checkboxes for DON, ZEAR, T2/HT2, Code 2, Code 5, and OA. A 'Mycotoxins' section has checkboxes for Moisture, Kg/ht, Pro/Nit, Hagberg, Admix, C. Ergot, G. Ergot, 2.5mm, 2.25mm, 2.0mm, Rapid germ, Skinned, and Broken. A 'Comments' section is at the bottom with a table for 'Insects', 'Small Moulds', 'Droppings', and 'Glass'.



For more information and guidance on grain sampling, visit www.frontierag.co.uk/grain-sampling