
26. Sample feed grain

Determination of dockage

Samples are graded using procedures for sample feed grain when they exceed the broken (BKN) tolerances for mixed grain.

▲ **Important:** When a sample is to be graded as sample feed grain,

1. Return dockage to the cleaned sample.
2. Begin cleaning and dockage assessment using the procedures described in this section.

Dockage is assessed and recorded to the nearest 0.1% on all samples.

Normal cleaning procedure

1. Using a Boerner-type divider, divide the uncleaned sample to obtain a representative portion.
 - Official samples should be at least 1000 grams.
 - Unofficial samples must be at least 1000 grams.
2. Sieve the sample over the No. 4.5 round-hole hand sieve, using approximately 250 g at a time.

Composition of dockage

Dockage contains

- Material that passes through the No. 4.5 round-hole sieve
- Material removed by special cleaning for grade improvement

Rounding rules

Rounding rules are outlined in [schedule 3 of the Canada Grain Regulations](#). When official inspection results are expressed numerically, they should be expressed to the same decimal precision as the applicable tolerance in the primary and export grade determination tables.

Cleaning for grade improvement

If the grade of a sample can be improved by additional cleaning, perform the cleaning and add the additional material to dockage. Cleaning for grade improvement can be done at any time after the cleaning assessment has been completed.

1. After the cleaning assessment has been completed, use a No. 6 or a No. 5 buckwheat hand sieve to remove large seeds. Large seeds are removed if their total weight exceeds 3% of the cleaned sample by weight.
2. Record the additional cleaning and dockage on inspection record.

Primary and export grade determination tables

Sample feed grain, foreign material

Grading factor	Sample feed grain	Grade if specs for Sample feed grain not met
Ergot %	0.33	Sample Feed Grain, Ergoty
Excreta %	0.03	Sample (with components named)
Flaxseed %	5	Sample (with components named)
Fusarium %	4	Sample (with components named)
Wheat heads %	10	Sample (with components named)
Knuckles and straw %	4	Sample (with components named)
Large weed seeds %	3	Sample (with components named if not removable with approved sieves)
Total % Large material	10	Sample (with components named)
Sclerotinia %	0.25	Sample Feed Grain, Sclerotinia
Soft earth pellets %	0.33	Sample, Feed Grain, Soft Earth Pellets
Stones %	0.1	2.5% or less - Sample Feed Grain, Stones Over 2.5% - Sample Feed Grain, Sample Salvage
Wild oats %	49	Mixed Feed Oats
Total % Large material and wild oats	50	Sample (with components named)

Large weed seeds includes other grains such as peas, corn, domestic buckwheat, etc.

Samples containing over 3.0% by weight are graded 'Sample' and the components are named.

Soft earth pellets are included in total of large seeds.

Sample feed grain, damage

Grading factor	Sample feed grain	Grade if specs for Sample feed grain not met
Broken grain %	50	Sample Broken Grain (class on request)
Fireburnt %	2	Sample Feed Grain, Fireburnt
Heated %	5	Sample Feed Grain, Heated