



---

# Official Grain Grading Guide

August 1, 2007

## Regional offices

Pacific Region ..... Phone: 604-666-0488 ..... Fax: 604-666-8703  
Prairie Region ..... Phone: 204-983-3308 ..... Fax: 204-983-5382  
Thunder Bay Region ..... Phone: 807-626-1400 ..... Fax: 807-623-8701  
Bayport Region ..... Phone: 519-436-3190 ..... Fax: 519-436-3195  
Eastern Region ..... Phone: 514-283-3873 ..... Fax: 514-283-7699

## Service centers

Brandon ..... Phone: 204-726-7665 ..... Fax: 204-726-7676  
Calgary ..... Phone: 403-292-4211 ..... Fax: 403-292-5075  
Melville ..... Phone: 306-728-6820 ..... Fax: 306-728-6821  
Moose Jaw ..... Phone: 306-692-2141 ..... Fax: 306-694-1488  
Saskatoon ..... Phone: 306-975-5714 ..... Fax: 306-975-4258  
Weyburn ..... Phone: 306-848-3350 ..... Fax: 306-848-3353  
Winnipeg ..... Phone: 204-983-2790 ..... Fax: 204-984-5131

**Quality • Service • Innovation**



---

## 25. Sample feed grain

---

### Determination of dockage

Samples are graded using procedures for sample feed grain when they exceed the Broken 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 to the nearest 0.1% on all samples.

### Normal cleaning procedures

1. Using a Boerner-type divider, divide the uncleaned sample to obtain a representative portion.
  - Official samples should be at least 900 grams.
  - Unofficial samples must be at least 750 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

### 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 normal cleaning.

1. 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 records.

## Primary and export grade determinants tables

### Sample feed grain

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

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.

| Grade name        | Damage  |                                     |                                  |
|-------------------|---|-------------------------------------|----------------------------------|
|                   | Broken grain %                                | Fireburnt %                         | Heated %                         |
| Sample feed grain | 50  | 2                                   | 5                                |
|                   | <i>Sample Broken Grain (class on request)</i> | <i>Sample Feed Grain, Fireburnt</i> | <i>Sample Feed Grain, Heated</i> |