

ISO 6639-4:2025-06 (E)

Cereals and pulses - Determination of hidden insect infestation - Part 4: Rapid methods

Contents

Page

| | |
|---|-----------|
| Foreword | v |
| 1 Scope | 1 |
| 2 Normative references | 1 |
| 3 Terms and definitions | 2 |
| 4 Method by determination of carbon dioxide production | 2 |
| 4.1 Principle | 2 |
| 4.2 Apparatus | 2 |
| 4.3 Sampling | 4 |
| 4.4 Procedure | 4 |
| 4.4.1 Preparation of test sample | 4 |
| 4.4.2 Preparation of container and test portion | 4 |
| 4.4.3 Carbon dioxide determination | 5 |
| 4.4.4 Determination times | 5 |
| 4.5 Expression of results | 5 |
| 4.6 Interpretation of results | 5 |
| 4.7 Test report | 5 |
| 5 Whole grain flotation method | 6 |
| 5.1 Principle | 6 |
| 5.2 Apparatus | 6 |
| 5.3 Sampling | 6 |
| 5.4 Test solution | 6 |
| 5.5 Procedure | 7 |
| 5.5.1 Preparation of test sample and test portion | 7 |
| 5.5.2 Determination | 7 |
| 5.5.3 Number of determinations | 8 |
| 5.6 Expression of results | 8 |
| 5.6.1 Calculation | 8 |
| 5.6.2 Repeatability | 8 |
| 5.7 Interpretation of results | 9 |
| 5.8 Test report | 9 |
| 6 Acoustic method operating on a grain sample | 9 |
| 6.1 Principle | 9 |
| 6.2 Apparatus | 9 |
| 6.3 Sampling | 10 |
| 6.4 Procedure | 10 |
| 6.4.1 General | 10 |
| 6.4.2 Preparation of the test sample and test portion | 10 |
| 6.4.3 Determination | 11 |
| 6.4.4 Number of determinations | 11 |
| 6.5 Expression of results | 11 |
| 6.6 Interpretation of results | 11 |
| 6.7 Test report | 11 |
| 7 On-site assessment acoustic method | 12 |
| 7.1 Principle | 12 |
| 7.2 Apparatus | 12 |
| 7.3 On-site acoustic probing | 12 |
| 7.4 Operating method | 12 |

| | | |
|-------|---|-----------|
| 7.5 | Assessment..... | 12 |
| 7.5.1 | General..... | 12 |
| 7.5.2 | <i>In situ</i> acoustic probing a grain bulk in a means of transport..... | 12 |
| 7.5.3 | Operation of on-site acoustic probing in a static grain mass..... | 13 |
| 7.5.4 | Number of measurements..... | 14 |
| 7.6 | Expression of results..... | 14 |
| 7.7 | Interpretation of results..... | 14 |
| 7.8 | Test report..... | 14 |
| | Bibliography..... | 15 |