



Agricultural Marketing Service

Creating Opportunities for American Farmers and Businesses

National Grain Center Tour – Day 1

Grain Inspection Advisory Committee Meeting
September 5, 2018

Board of Appeals and Review

Primary Functions

- Board appeals
- Supervision of FGIS/agency QASs
- Licenses FGIS inspectors
- Serves as reference method for visual inspections
- Conducts grain grading seminars
 - Industry
 - International trade groups
 - QASs
 - Inspectors



Inspection Instrumentation

Primary Functions

- Quality Control and Standardization
 - NIRT, NMR, Moisture Meter
- Official Calibrations
 - NIRT and NMR
- Official and Commercial Calibrations
 - Moisture



Foss Infratec 1241



Bruker Minispec MQ-One

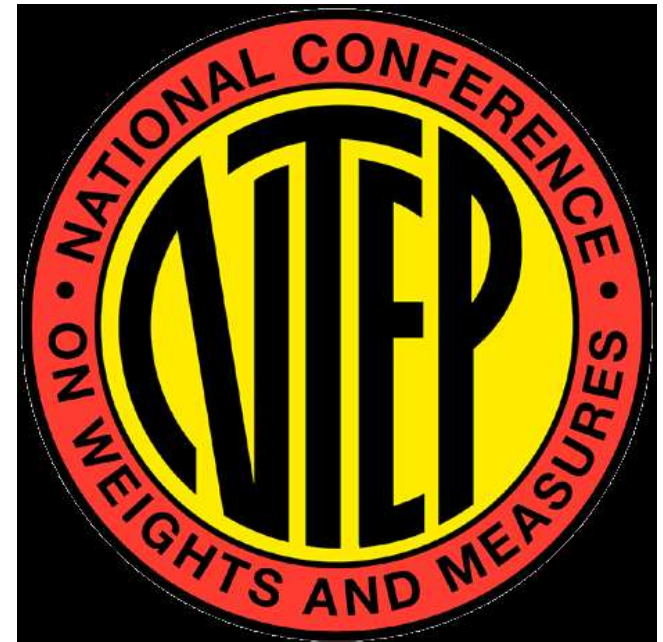


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Inspection Instrumentation

Primary Functions

- Evaluate Instruments and Equipment
 - Official Inspection
 - Commercial Inspection
- Research and Development
- Evaluate and Approve D/T samplers



Wheat Functionality

Primary Functions

- Evaluate methods for characterizing end-use quality factors
- Administer national falling number quality assurance program
- Provide varietal identification of wheat by chemical analysis
- Provide rice iron enrichment test kits to official service providers
- Provide reference materials for wheat hardness test



Digital Media

Primary Functions

- Visual References for Inspection Standardization
- eLearning Content
 - Inspector Training
 - Industry Education
- Marketing Materials for Outreach

The screenshot displays the USDA Corn Grading digital media interface. It features a navigation menu on the left with 25 items, including '1. Corn Grading', '2. Corn Definition', '3. Corn Classes', '4. Grade Requirements', '5. Special Grades', '6. Special Grades (Flint / Flint a...', '7. Special Grades (Infested / W...', '8. Heating', '9. Distinctly Low Quality', '10. Processing the Original Sa...', '11. Video - Boerner Divider', '12. File Sample', '13. Use Moisture Proof Contain...', '14. Video - Moisture Meters', '15. Moisture Analysis', '16. Test Weight per Bushel', '17. Video - Test Weight Proced...', '18. B...', '19.', '20.', '21.', '22.', '23.', '24.', '25.'. The main content area is titled 'Corn Grading' and includes a 'C-4.0 GERM DAMAGE' section with a visual reference of a damaged kernel and text: 'Portion for Analysis: Approximately 250 grams', 'Kernels of corn which are damaged by respiration or heat, but which are not materially discolored, shall be considered damaged. Kernels with germ areas discolored to the degree shown or worse are considered damage.', 'If necessary, carefully remove the germ covering from the kernel. Scraping too deeply can destroy the evidence of damage and cause non-uniformity of interpretation.', and 'Discolored germs that do not meet the minimum coverage requirement may be considered damage provided the degree of discoloration is greater than shown and the overall "proated" appearance meets the minimum coverage and intensity level depicted. For example, to be considered damage, when the degree of discoloration is twice that shown, only half of the germ area needs to be discolored. NOTE: Disregard the plumule when determining germ damage. Refer to VRI C-4.2'. Below this, there is a 'CORN GERM DAMAGE' section with two visual references: 'A. DAMAGE' and 'B. NOT DAMAGE'. At the bottom, there is a grid of 12 visual references for different types of damage, each with a label in Arabic: 'تلف بالظفر لائق', 'الرمشة التي يواجها', 'ظفر بظفر الخلية', 'تلف الحصى الشراج', 'تلف بالظفر المتسطح', 'تلف الطوي', 'القنوات اليمنى اللينة', 'تلف حراشيف القمح', 'تلف الحصى', 'تلف حراشيف القمح المتضررة', 'تلف الإبريق', and 'تلف بالظفرات'.

Digital Media

Support Functions

- NGC A/V equipment
- NGC Digital Signage
- Graphic Illustration
- Image Editing
- Video/Photography
- 508 Compliance
- Page Layout

