



Federal Grain Inspection Service's
Technology and Science Division Updates

Grain Inspection Advisory Committee



FGIS Technology and Science Division

- ***GIAC Recommendations***
 - **Mycotoxin Test Kit Criteria**
 - **Technology Evaluation Process**
 - **Light Emitting Diode (LED)**
- ***Other Activities***



Mycotoxin Test Kit

- **2021 Federal Register: Proposed Changes to Criteria**
- **Receive and analyzed comments**
- **FR Notice: Response to Comments**



Technology & Instrument Evaluation

- **Documented process**
- **For official inspection**
- **Outcome: transparent and consistent approach**
- **FR Notice for public comment**



LED Field Study

Purpose: determine if there is no significant difference between LED and currently approved fluorescent

- **Corn, Soy, Wheat**
- **Official Agencies**
- **BAR**
- **Result**





LED Field Study

- **Minimal standards for LED**
- **R-Values = color rendering index**
- **Correlated color temperature (CCT)**

 95 CRI



5000K

6500K



Imaging Technology

Continue exploring R&D efforts to evaluate imaging technology

- **FR Notice (published February 15)**
- **Partner with manufacturers**





Other Current Events

- **US Agency for International Development (USAID): Bureau of Humanitarian Assistance**
 - **Food For Peace**
 - **Grain-based Commodities**



Other Current Events

- **Dickey-john GAC2700 Moisture Meter**
- **Quality Assurance Specialist (QAS) Seminars: LIVE!**
- **Evaluating FOSS Infratec™ NIRT**



Thank you!

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