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)
Imaging Technology

Continue exploring R&D efforts to evaluate imaging technology

- FR Notice (published February 15)
- Partner with manufacturers
Other Current Events

  - 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!

Edward Jhee, Ph.D.
Director, FGIS TSD
816-702-3801
edward.m.jhee@usda.gov