GAC 2500-UGMA

Presentation for FGIS Moisture Meters Seminar

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Northern Crops Institute

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Agenda

+ GAC 2500-UGMA: Instrument Overview
+ Operation
+ Maintenance
+ Service & Support
+ Questions / Comments
GAC 2500-UGMA

UGMA: The Next Generation of Grain Moisture Testers
Operation

+ UI Design Focus: Ease of use
  - Minimize errors from part-time, seasonal workers
  - 3 button pushes from Home screen until moisture measurement
  - Quick-connect (shortcut) buttons

+ Configurable to individual facilities
  - Operation options
    - Automatic test
    - Pass-thru drawer
  - Communication
    - Scale systems
    - Data retrieval
  - Security (passwords)
Error Messages

+ Displayed when an abnormal event occurs
  • Sample insufficient to fill measuring cell
  • Moisture too high or too low
  • Grain temperature beyond calibration limit
+ If error message appears:
  • Follow message instructions
  • Refer to operator’s manual
  • Acknowledge by pressing the Initiate button
+ Complete list of messages can be found in the Operator’s manual
+ Persistent issues: Contact your local Authorized Service Center
Maintenance

+ UGMA meters employ high precision sub-systems to arrive at most accurate grain moisture measurement
  • Machined measuring cell (consistent mass)
  • Precise load cell (accurate weight)
  • IR temperature sensor (instant & accurate temperature)

+ Regular maintenance is REQUIRED
  • Ensure up-to-date calibrations
  • Remove dust & debris
  • Clean sensors

+ Operator’s are responsible for determining frequency that is suitable for their application
  • Consult operator’s manual for more information
Temperature Sensor

+ GAC 2500-UGMA shipped after Sept, 2014 are equipped with the new self-cleaning sensor
  • Serial number 4000+
+ Retrofit process was instituted to update units in the field
  • 95% of units in FGIS official system have been retrofitted
  • Many units in tri-state area have also been retrofitted
+ The retrofit process is also open for farmers that purchased GAC 2500-AGRI
+ Retrofit process will continue into 2016
Service & Support

+ DICKEY-john employs a vast service & support network
  • 12 Authorized Service Centers ("ASC’s") in the United States
  • All ASC’s have loaners available to keep you up and running

+ ASC’s function: Ensure your moisture meters are performing as expected
  • Annual calibration updates
  • Factory clean & re-normalize
  • Performance check testing

+ Three ASC’s located in the tri-state area:
  • T&W Agri Service – Fargo, ND
  • UAS Service Corp – Hawley, ND
  • Corn Belt Testing – Prior Lake, MN
GAC 2500-UGMA

+ We would like to thank GIPSA for the opportunity to present today

+ Thanks for your continued trust in DICKEY-john