Calibration Update

DICKEY-JOHN GAC 2700-UGMA PRODUCT CALIBRATION DOWNLOAD

FORWARD

AMS'S Federal Grain Inspection Service (FGIS) offers product calibration files for loading to the DICKEY-john GAC 2700-UGMA Grain Moisture Analyzer.

NOTE: For technical assistance, please contact DICKEY-john technical support at 1-800-637-3302

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1. DOWNLOAD CALIBRATIONS FROM FGIS WEBSITE

To download calibrations to a USB memory device:

- a. Visit the FGIS Moisture website at https://www.ams.usda.gov/services/fgis/ standardization/moisture-equipment
- b. Insert USB memory device into computer's USB drive.
 - Remove all existing files from USB memory device.
- c. Scroll down to the "Official Moisture Calibrations" section and right click on "Download all official moisture calibration files for DICKEY-john GAC 2500-UGMA/GAC 2700-UGMA".

Product calibration files are saved in a zip format and require extraction before loading to the GAC 2700 instrument.

IMPORTANT: All official calibrations must be downloaded to the USB memory device.

- d. Select "Save Link As" and save the zip folder to the root directory of the USB memory device. (Some computers may display "Save Target As".)
- e. In Windows Explorer, double click on the directory named:

"Dj_UGMA_MonthYear.zip"

ex: Dj_UGMA_May2019.zip.

- f. Select all files in the directory (Edit/Select All).
- g. Copy all files (right click/copy).
- h. Paste in the root directory of the USB memory device (right click/ paste).

NOTE: Root directory (such as F:/) is the first directory that shows when opening a drive. If having issues locating the root directory, go to "Start/My Computer" and open the USB memory device. Proceed to step i.

i. Wait for files to finish copying and remove USB memory device.

2. LOAD CALIBRATIONS TO GAC® 2700-UGMA

IMPORTANT: Any custom calibrations on the instrument should be saved to a USB memory device before starting the installation.

- 1) Insert the USB device into the instrument.
- From any screen, Press the button in the upper left corner to Open the Navigation menu.
- 3) Press **Calibrations** in the navigation menu.

VI	GATIO	N FROM SCREEN:		GAC 2700-0	JGMA : 1921-0	00021 d		Test e
	Home Analysis Results			Calibrations Product List		‡₁ ‡ _ < 1/3 >	Product Name: Soybea Issue ID: 20190415N Moisture Range: 5 - 24 Test Weight Range: 40	%
		Audit Trail	Favorite	Product Name	Issue ID	Details	Temperature Range: -1	
1	с	Calibrations	\$	Barley 2Row	20200415N	(j	Moisture Bias:	0.000
	Ű	Settings	\$	Barley 6Row	20200415N	í	Moisture Slope:	1.000
		Ŭ		Barley Hless	20200415	í	Test Weight Bias:	0.000
		Users/Passwords	\$	BN Baby Lima	20210414	í		
		Device Information	\$	BN Black	20130501	()	Test Weight Slope: File Name: SOYBEANS	1.000
		Diagnostics	\$	BN Blackeye	20130501	(j	Region: US	
			\$	BN Cranberry	20130501	(j)		×
			\$	BN Garbanzo	20210414	(i)		

- Press the Ψ symbol at the top of the screen to begin loading the calibration 4) bundle saved onto the USB memory stick.
- Press **Yes** to begin installation of the new calibration files. 5)

NOTE: Only calibrations files in the bundle will be overwritten and updated. All other calibration files will be unaffected.

- 6) Once calibrations are finished loading, remove the USB device from the
- instrument. Press the button to open the navigation menu. Press **Device Information** in 7) navigation menu.
- Verify that "08-01-22" displays as the date at the NTEP Directive 8) Number at the bottom of the screen.

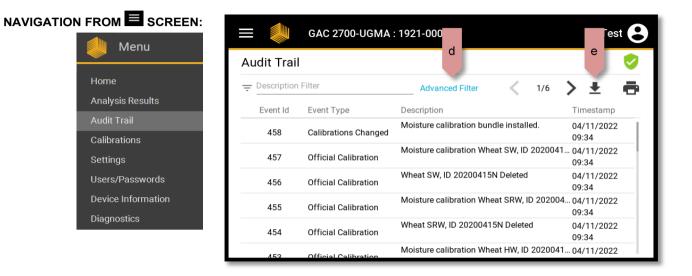
🚍 🧼 GAC 2700-UGMA : 1921-00021	Test 😫		
Device Information	Metrology		
Software Version: 2.6.0			
Last Service Date: 01/01/0001			
Region: US			
Application Checksum:			
I/O Checksum:			
Certificate #: NTEP Certificate: 12-070	Update Firmware		
NTEP Directive Number: 9180.61 05-01-22 h See Metrology page for more information	Clean		
	Device Information Unit Model: UGMA Software Version: 2.6.0 Last Service Date: 01/01/0001 Region: US Application Checksum: I/O Checksum: Certificate #: NTEP Certificate: 12-070 NTEP Directive Number: 9180.61 05-01-22 h		

EXPORT AUDIT TRAIL (OFFICIAL USERS ONLY) 3.

After calibrations are loaded to the instrument, the log file/audit trail data must be saved to the USB memory device and retained at the central agency office to document that calibrations were installed successfully.

IMPORTANT: This final step is required for verification that calibrations loaded successfully.

- a. Insert USB memory device into the USB port.
- b. From any screen, press the button in the upper left corner to open the navigation menu.
- c. Press the **Audit Trail** in the navigation menu.



- d. Press **Advanced Filter** then verify that the "Official Calibration" check box is checked.
- e. Press the **Save** button.
- f. Press \clubsuit to download Events to USB memory stick.