INSTRUCTIONS FOR LOADING OFFICIAL CALIBRATION BUNDLES ON GAC[®]2500 & GAC[®]2700 INSTRUMENTS

This instruction provides a step by step instructions for downloading & updating the official grain calibrations on the GAC[®]2500 & GAC[®]2700 instruments.

These instructions are not meant to be used for updating the calibrations on the GAC®2500-AGRI & GAC®2700-AGRI instruments. Calibrations on those instruments should be updated individually instead of as a bundle.

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

DOWNLOAD CALIBRATION BUNDLES	2
GAC [®] 2500-UGMA & GAC [®] 2500-INTL	3
Verify Instrument Software Version	3
Load Calibrations on Software Version 5.4 or Above Instruments	3
Load Calibrations on Software Version 5.1 or Below Instruments	5
Reloading Custom Calibrations	5
Formatting a USB Memory Device	7
GAC [®] 2700-UGMA	8
Load Calibrations onto GAC®2700	8



DOWNLOAD CALIBRATION BUNDLES

IMPORTANT: If updating a GAC[®]2500 instrument, verify the USB memory device that you are using is 2-4 GB and formatted as FAT and NOT FAT32. See "Formatting USB Memory Device" section for formatting instructions if needed.

This instruction provides a step by step instructions for updating the official grain calibrations

- a. Insert USB memory device into computer's USB drive.
 - Remove all existing files from USB memory device.
- b. Visit the DICKEY-john calibration website at http://cal.dickey-john.com/Calibrations.aspx.
- c. From the instrument dropdown in the top left hand corner, choose "GAC2500" or "GAC2700."
- d. Click on "GAC2500/GAC2700 Calibration Bundles" button on the right side of the page for the bundle options to be displayed.
- e. Click on the bundle you wish to download.
- f. Copy all files or desired individual files and paste into the root directory of the USB memory device.
 - 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.
- g. Wait for files to finish copying and then remove USB memory device from the computer.

GAC[®]2500-UGMA & GAC[®]2500-INTL

Verify Instrument Software Version

IMPORTANT: Steps to load the calibrations vary based on the software installed on the instrument. Check the software version of the instrument using the steps the steps.

At the Main Menu of the GAC[®]2500, press the **Information** button. Follow the appropriate instruction section based on software version installed on your instrument.



Figure 1. Information Screen

Load Calibrations on Software Version 5.4 or Above Instruments

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

- a. Insert the USB device into the instrument.
- b. At the Main Menu screen, press the Setup button.
- c. Enter the user name and password and then press the Enter button.
- d. At the Setup menu, press the Product button.
- e. At the Product Setup screen, press the Load New Products button.
- f. The next screen displays the number of files that exist on the USB memory device.
- g. Press the Enter button.
- h. Press Yes to begin installation of new files. Old products are removed (including custom calibrations).
 - Refer to "Reloading Custom Calibrations" section for re-installing any custom calibrations.

	Setup	GAC2	500-UGMA		Select A Folder o	f Calibration Files	GAC2500-UGMA	
		Product			o Directories	s, 69 Files Exist		
		Admin Settings					_	
		System					_	
Ļ		Diagnostics			\Hard Disk\		g H	
Product Setup		GAC2500-UGMA		Overwrite existing US?	G,	AC2500-UGMA		2
	Edit Existing	Product		Region "US" already e: and all of the associate	kists. Do you want t d calibrations?	oreplace it	A	\searrow
	Load New I	Product			Yes	h		
	Load New P	Products e			No			
)							

Figure 2. Loading Calibrations with Software Version 5.4

- i. Remove the USB device from the instrument.
- j. After loading calibrations, the Product Setup screen displays. Press the **Home** button to return to the Main Menu.
- k. At the Main Menu, cycle power.
- I. After power up, press the **Information** button to verify that "05-01-22" displays as the new date at the Directive No, shown in Figure 3, as a good calibration install.



Figure 3. Information Screen

Before power cycle. Turn off instrument and then turn on. Screen should update with a good calibration install.

Load Calibrations on Software Version 5.1 or Below Instruments

- a. Power OFF the instrument.
- b. Insert the USB memory device into the USB port located on the front panel.
- c. Power on instrument.
- d. Files automatically begin loading to the instrument. The program will back up all existing calibration files and install the new ones.
- e. Press the Close button to exit.
- f. When update is complete, press No to avoid running the program again.



Figure 4. Product Updater

- g. Remove the flash drive and the instrument continues to power up.
- h. Once the machine is powered on, custom calibrations that were not included in the updater package can be restored by navigating to the backup directory on the flash drive named <machine serial number>_OldCals_<date(yyyyMMdd)>_<time(HHmm)>. These calibrations can be reloaded from the Setup menu.

Reloading Custom Calibrations

- a. Insert USB memory device into the USB port located on the front panel.
- b. At the Main Menu screen, press the Setup button.
- c. Enter the Name and Password, if required, or press Enter to proceed.
- d. At the Setup screen, press the **Product** button.
- e. At the Product Setup screen, press the Load New Product button.
 - Do not use the Load New Products button to reload custom calibrations.

- NOTE: The USB memory device must be inserted into the instrument to display the Load New Product button.
- f. To load a single product, press the directory contents file to highlight.
- g. Press the Enter button to open the directory.
- h. In the Directory Contents window, press the custom calibration to highlight and press the Enter button.



Figure 5. Reloading Custom Calibration

Formatting a USB Memory Device

NOTE: USB memory device should have 2-4 GB of storage capacity.

- a. Insert the USB memory device into the computer.
- b. Navigate to "My Computer", locate the directory for the memory device, and click "Properties".
- c. Look at the 'File System' type under the General Tab and verify the device is FAT.

Figure 6. Verify Formatting of USB Memory Device

	a 3.45 GB free of 3.76	C Open Open in new window Open AutoPlay
	← CRUZER (E) Properties X General Tools Hardware Sharing ReadyBoost Customize	Share with Open as Portable Device
	CRUZER	🏂 Combine supported files in Acrobat
\bigcirc	Type: Removable Disk File system: FAT	Select Left Folder for Compare Shared Folder Synchronization
	Free space: 3,709,423,616 bytes 3.45 GB Capacity: 4,043,763,712 bytes 3.76 GB	Format Eiect
		Cut
	Drive E:	Create shortcut Rename
		Properties

- d. In "My Computer", right click on the memory device directory.
- e. Click "Format".
- f. Select "FAT" as the file system format.
- g. Click "Start". The USB memory device is now FAT formatted.

Figure 7. Formatting USB Memory Device to FAT

	d cruze	R (E) Open Open in new window Open AutoPlay	
	Format CRUZER (E:) X	Share with Open as Portable Device	
	3.77 GB	12 Combine supported files in Acrobat	
	File system	Select Left Folder for Compare	
(f)	NTES	Format Eject	e
U	exFAT Restore device defaults	Cut Copy	
	Volume label	Create shortcut Rename	
	CRUZER	Properties	
	Format options Cuck Format Create on MS-DOS startup disk		
	7 Start Close		

GAC[®]2700-UGMA

Load Calibrations onto GAC®2700

- a. Insert the USB device into the instrument.
- b. From any screen, press the 🔳 button in the upper left corner to open the navigation menu.
- c. Press Calibrations in the navigation menu.

	₩ GAC 2700-UGMA : 1921-00021 d Test				d Test
Home	b librations			ψ₁ •	 Product Name: Soybeans Issue ID: 20190415N Moisture Range: 5 - 24% Total Works Paraget 10.5, 70 lbs /bu
Analysis Results	Favorite	Product Name	Issue ID	Details	s Temperature Range: -18 - 45 °C
Audit Trail	\$	Barley 2Row	20200415N	i	Moisture Bias: 0.000
C Calibrations	\$	Barley 6Row	20200415N	i	Moisture Slope: 1.000
Settings	\$	Barley Hless	20200415	(j	Test Weight Bias: 0.000
Users/Passwords	☆	BN Baby Lima	20210414	(j	Test Weight Diagon 1 000
Device Information	Δ	BN Black	20130501	i	File Name: SOYBEANS.cal
Device information	\$	BN Blackeye	20130501	(i)	Region: US
Diagnostics	☆	BN Cranberry	20130501	i	
	☆	BN Garbanzo	20210414	(j)	

- d. Press the Ψ symbol at the top of the screen to begin loading the calibration bundle saved onto the USB memory stick.
- e. Press Yes to begin installation of new calibration files.
 - Only calibration files in the bundle will be overwritten & updated. All other calibration files will be unaffected.
- f. Once calibrations are finished loading, remove the USB device from the instrument.
- g. Press the 📕 button to open the navigation menu the press **Device Information** in the navigation menu.
- h. Verify that "05-01-22" displays as the date at the NTEP Directive Number at the bottom of the screen.

