

John Deere HarvestLab Software Version 51

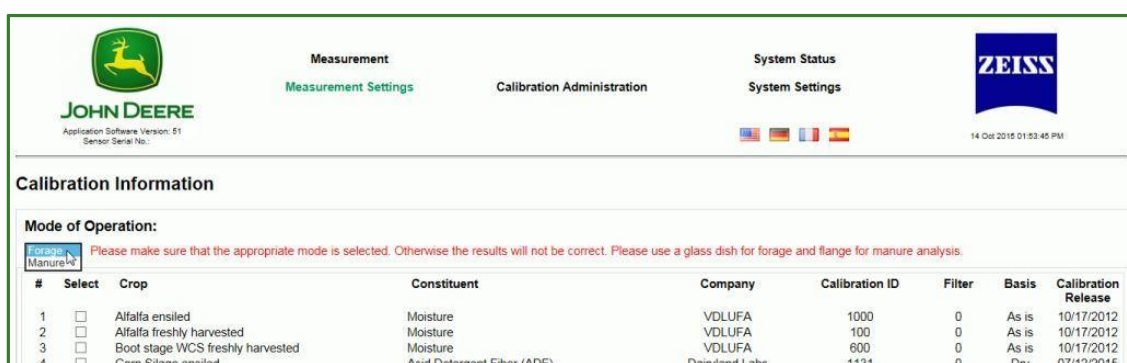
Release notes February 2016

Important Notes:

- After installing Software V51 on HarvestLab Sensor it is not possible to downgrade to a lower Software version.
- Included in this firmware update are new features and defect fixes. These new features and defect fixes are ONLY available with the installation of the new firmware.

Implemented new features:

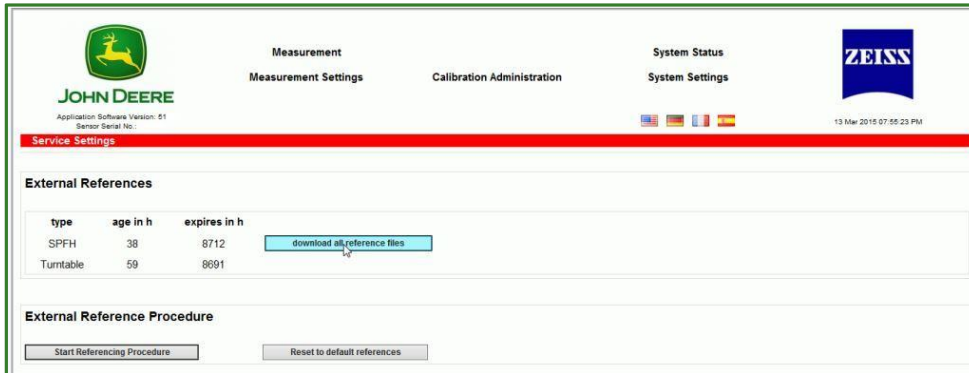
- Firmware V51 adds the Manure Sensing functionality to the John Deere HarvestLab Software.
- With firmware V51 all HarvestLab Sensors with a Serial number PCNR00A005000 and above are able to do Manure Sensing (additional Activation needed).
- With firmware V51 all HarvestLab REMAN Sensors with a Serial number PCNRR0A022500 and above are able to do Manure Sensing (Activation needed).
- If your HarvestLab Sensor is able to do Manure Sensing, a new mode of operation is available in WebUI. Customer can chose between “Forage” and “Manure” mode:



The screenshot displays the John Deere HarvestLab WebUI interface. At the top, there is a navigation bar with the John Deere logo on the left, the text "Application Software Version: 51" and "Sensor Serial No:" below it, and the ZEISS logo on the right. The main navigation menu includes "Measurement" (with "Measurement Settings" as a sub-link), "Calibration Administration", and "System Status" (with "System Settings" as a sub-link). Below the navigation bar, the "Calibration Information" section is visible, featuring a "Mode of Operation:" dropdown menu currently set to "Manure". A warning message states: "Please make sure that the appropriate mode is selected. Otherwise the results will not be correct. Please use a glass dish for forage and flange for manure analysis." Below this, a table lists calibration entries with columns for #, Select, Crop, Constituent, Company, Calibration ID, Filter, Basis, and Calibration Release.

#	Select	Crop	Constituent	Company	Calibration ID	Filter	Basis	Calibration Release
1	<input type="checkbox"/>	Alfalfa ensiled	Moisture	VDLUFA	1000	0	As is	10/17/2012
2	<input type="checkbox"/>	Alfalfa freshly harvested	Moisture	VDLUFA	100	0	As is	10/17/2012
3	<input type="checkbox"/>	Boot stage WCS freshly harvested	Moisture	VDLUFA	600	0	As is	10/17/2012
4	<input type="checkbox"/>	Corn Silage ensiled	Acid Detergent Fiber (ADF)	Daindand Labs	1131	0	Dev	07/12/2015

- Download all reference files with one action. To download all files from stationary and SPFH mode with one action just click on “Download all reference files” and follow the instruction. All files are downloaded in one .zip file.



- There is no validation in Manure mode available. To do the validation, please change to Forage mode. Sensor will use this validation values automatically when it is connected to a CANBUS from SPFH or Manure Sensing System.

Additional Notes:

- Please update machine controllers in all use cases:
 - 70X0 Series SPFH HMS controller AXE55856A (3.42E)
 - 8000 Series SPFH SPFHDOCC AXE30192B
 - Manure Sensing MCSCTL PFA10714