

# Mirus 4.1.1 Release Notes

Harvest Data Collection Software from HarvestMaster

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## Supported Personal Computers Running Windows OS:

- Laptops, Tablet PC

## Supported Operating Systems

Component	Minimum* Requirements
Computer and processor	2.0 Ghz dual core, 1.5Ghz quad core, or more capable processor
Memory	4 GB or more recommended
Hard disk	320MB available disk space
Display	800x600 or higher resolution display
Operating system	Windows 7 or higher, 32-bit or 64-bit OS
Video Playback	Windows Media Player version 11 or higher

## INSTRUCTIONS FOR INSTALLATION

1. Prior to installation of Mirus it is recommended that the latest Windows Updates be installed.
2. Close all other running applications before executing the Mirus Install.
3. Copy Mirus\_4.1.1-Full to the tablet or laptop PC.
4. Execute and follow prompts for installation to the tablet or laptop PC.

## Recommended Minimum calibration weights

- H2 Plot Bucket: 5.0 lb.
- H2 Test Weight: 2.0 lb.
- HCGG Plot Bucket: 5.0 lb.
- BDS cup: 2.0 lb.
- Classic GG: 2.0 lb.

## New Features and Updates

- All H2 GrainGage systems are now supported by new 7 Series (VCG) firmware.

## Resolved Issues

- Includes latest 7.26 H2 Firmware was changed to fix the following:
  - [MIR-3252] Moisture tare warning showing wrong value and always non-negative. Test weight was not showing negative values
  - Tare value settings were not migrated from 7.18 firmware to 7.25+ firmware
- [MIR-3264] Mirus crash after unplugging USB CAN Cable from H2Graingage.
- [MIR-3262] CAN error notification when an actuator is triggered in Diagnostics.

- [MIR-2947] Uncompensated and remaining weight not reporting correct plot values
- [MIR-3191] Mirus installer FTDI drivers updated to 2.12.06
- [MIR-3189] Improper cycle during moisture calibration on an H2 Twin
- [MIR-3188] Initial connection to device after 1st install causes errors
- [MIR-3165] All gates left open when taring system in diagnostics
- [MIR-3155] Failed connection to H2 Twin due to invalid firmware version request
- [MIR-3141] Imported map exports with quotations or space in front of "Row" header
- [MIR-3139] Test weight doubled when deleting one of sample and redoing it when creating a moisture curve
- [MIR-3009] Countdown timer starts and cancels on Wintersteiger quantum H2Classic
- [MIR-3006] When creating Conditional action, you can't see full actuator name
- [MIR-3002] Unable to flush after cycling in moisture edit screen
- [MIR-2990] No data being written to HM800-diagnostics.csv file
- [MIR-2977] Countdown timer not locked out. When using the countdown timer, when you hit enter on the tablet or remote button, the countdown timer starts. if you accidentally hit the remote enter button again, it stops and resets, and won't start again until you hit the enter again.
- [MIR-2970] Clicking cycle button when in strip mode during cycle - it caused cycle weight data received error
- [MIR-2966] Subsequent tare check warning not displayed to user after initial tare warning
- [MIR-2960] Mirus crashes when editing number trait with a default value
- [MIR-2951] Single or Twin BDS, wiper extended during glean mode
- [MIR-2946] Conditional action cycle command doesn't use timers
- [MIR-2945] re-navigate possible during mid-cycle with no warning
- [MIR-2944] Test weight calibration fails "unknown error caused a fail message
- [MIR-2934] Mirus install fails when .NET install/upgrade required
- [MIR-2932] Last plot of data doesn't show as collected at end of navigation
- [MIR-2862] Message displayed the language is cryptic and hard to understand when moisture curve conflicts between local and device
- [MIR-2798] Creating a new curve on Stationary saves a temperature coefficient of zero
- [MIR-2786] Bucket weight calibration not showing load cell voltages when calibrating each side
- [MIR-2649] Sub-maps not working when creating multiple (Can't find this)
- [MIR-2601] using touch or mouse clicks when entering dates causes data to not save
- [MIR-2572] Plugin installation fails when dependent plugin not installed, shows a cryptic message. For example: Tried to install Sprayer plugin before GNSS plugin and an error message displays: Error "Install did not complete successfully"
- [MIR-2554] Cannot take notes in portrait mode on Mesa 2. It cuts off the text when moving from Landscape to Portrait orientation.
- [MIR-2346] While in random navigation mode, sometimes get "End of navigation" message.
- [MIR-2312] Collecting data with list trait type doesn't record the complete value

- [MIR-2094] Traits added while note taking don't show up in list view
  - If you start taking notes but then add a trait while in notes, if you flip over to the list screen the new trait you added doesn't show up. if you select all your traits while you are going into harvest everything shows as it should.
- [MIR-2086] Number zero (0) doesn't show in list screen in note taking
  - setup a number trait with length of 1, open map and take notes entering in 0-9 as your data, flip over to list screen and notice where you entered 0 doesn't show up, if you export data or go to backup file it is there.
- [MIR-3270] Adding a new DSP module sometimes causes Mirus 4.1.1 to think the coefficients are not calibrated. This is because the tolerances are too tight.
- Positive Test weight warning is now showing
- Test weight warning raised after every tare check command

### Known Issues

- [MIR-3148] Single quote in custom trait name causes Mirus to crash
  - **Problem (repro):**
    - Create a custom trait with a single quote in the name
    - Enter Harvest on a map
    - Add the custom trait with a single quote
    - View the map -> crash
  - **Workaround:** Remove single quote from custom trait.
- [MIR-2913] Halt on tare warning doesn't report value
  - Workaround: Value is getting displayed in the notification slide-out.
- [MIR-2992] Having a conditional action type "actuate" and a blank actuator type will not show error message. When creating Conditional actions, they are not always checked to be valid.
  - Workaround: Manually validate conditional actions.
- [MIR-3168] Chamber calibration only runs the number of sub-cycles up to whatever was set in the Max Sub-Cycle count. The Max Sub-Cycle count is set to 1 by default.
  - Workaround: When running a chamber calibration (creating a moisture curve) and you want more than one sub-cycle, go into settings (System\Max Sub-Cycle Count) and change the and change the Max Sub-Cycle count to the desired sub-cycle count.
- [MIR-3177] Disabling Test weight shows invalid values for the sub-cycle weight in the cycle data view.
  - Workaround: Enable Test Weight
- [MIR-3178] Isolation Gate on H2 systems is hard coded to be controlled by DSP module.
  - Workaround: Add an additional actuator module to control the Isolation Gate as desired.
- [MIR-3194] All gates are open when entering moisture curve edit screen after the initial connection to GrainGage
  - Workaround: Is to cycle once to get the gates to a proper state (closed).



- [MIR-2930] Test weight tare warning value not saved when downgrading DSP firmware from 7 series firmware to 6 series firmware and then back to 7 series firmware. i.e. 7.25.12 -> 6.22.0 -> 7.25.12 Test weight tare warning value will read 200 lb/bu instead of 2.00 lb/bu.
  - Workaround: Manually re-enter the test weight tare warning value in Setup -> H2 GrainGage -> Sensors -> Test Weight. Default value 2.0 lb/bu
- [MIR-2855] Firmware version that is read from the module sometimes does not get the patch version correctly. For example: Update firmware to 7.26.0? Actuator Module 2 7.26 -> 7.26.0
  - Workaround: If you know the firmware has been updated, select No to Update Firmware. Selecting continue and updating firmware again will not cause issue.