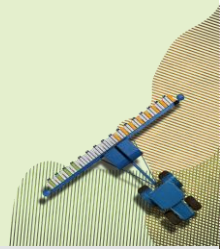# Introduction to: SmartBox® + Diagnostics

This document introduces SmartBox+ Diagnostics. For more complete details, please visit: **SIMPAS.com/resources**

SmartBox Closed Delivery System is a registered trademark of AMVAC Chemical Corporation

Diagnostics:

The Diagnostic functions of the SmartBox+ system are focused on the Meter and the ECU and can be used to gain an understanding of the health of the system.

The main items used to determine the health of the system are:

- The voltage inputs, to the ECU and the meters
- The connection state of the meters
- The current RPM of the meters
- The state of the blockage indicators
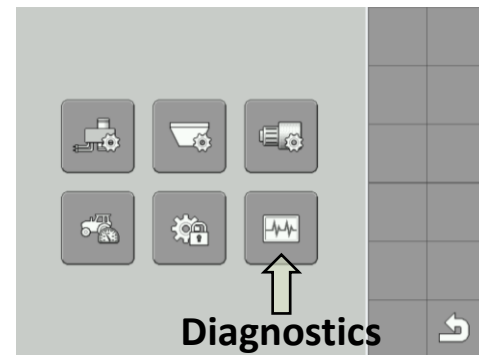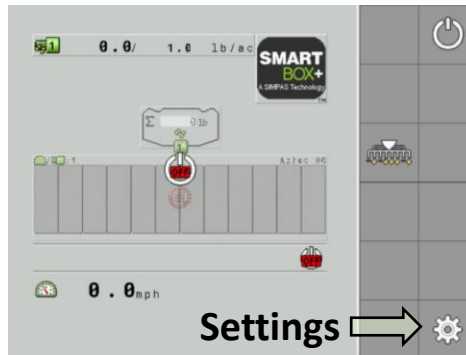- The amount of data transmitted on the CAN bus

When troubleshooting the system, <u>the most common points of failure</u> are harnessing and power supply issues.

Usually, a harness has been pinched or rubbed through, causing a short circuit and therefore a blown fuse or a break in the wire.

The most common symptoms of the issues are a loss of communication to the meters, causing them to stop functioning. The software shows an on-screen warning in this situation.

How to access Diagnostics

The Diagnostics screen is accessed through the Settings icon from the Run screen, followed by the Diagnostics icon.
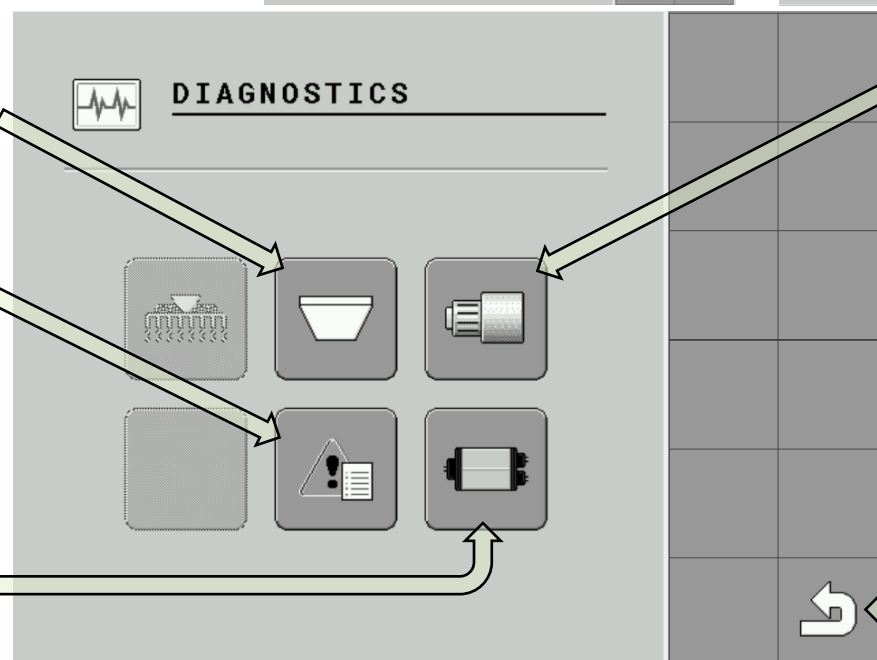
Settings

Diagnostics

Hopper

Displays the current state of the product containers.

Alarm History

Displays a log of alarms and warnings shown during the current power cycle.

ECU

Allows ECU restart. Displays the ECU power level, CAN termination state, CANBus data load and software version.

Metering Drive

Allows manual operation of all rows.

Allows Blockage system reset.

Displays meter RPM, voltage, software version and blockage status.

Use these items to determine if a meter is functioning correctly.

Return to Settings Screen