



360 DASH™

HOW TO SETUP AND USE THE
360 DASH APP



360YIELDCENTER.COM

FOR QUESTIONS PLEASE CONTACT OUR
PRODUCT SUPPORT TEAM AT 309-300-3120

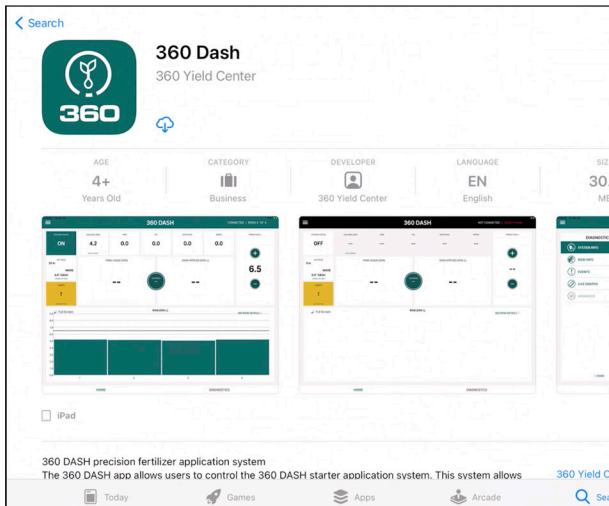
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360 DASH APP

SET UP



STEP 1 DOWNLOAD APP



On the iPad open the app store.

Search "360 DASH".

Click the button to download the app.

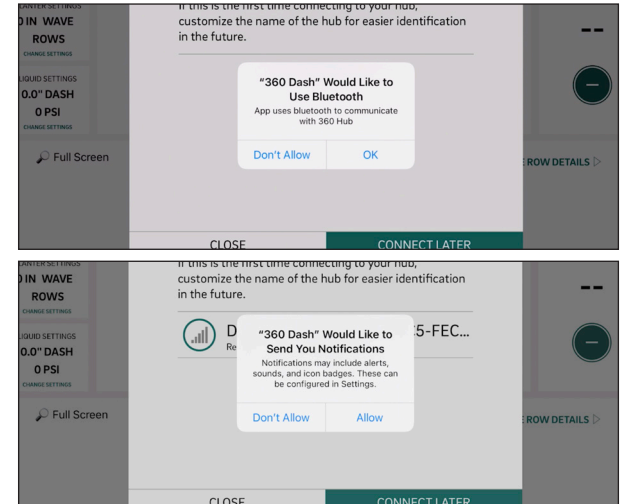
STEP 2 POWER THE SYSTEM



After you download the app, go to the tractor and turn the key on. This sends power to the DASH Valves and the DASH Hub.

The DASH Hub should display a fast flash on both the red and green LEDs to indicate that the DASH Hub is ready to connect to the iPad.

STEP 3 OPEN THE APP



Go back to the iPad and open the 360 DASH App for the first time.

A pop up will appear and indicate "360 DASH would like to use bluetooth. App uses bluetooth to communicate with 360 Hub". You must click "OK".

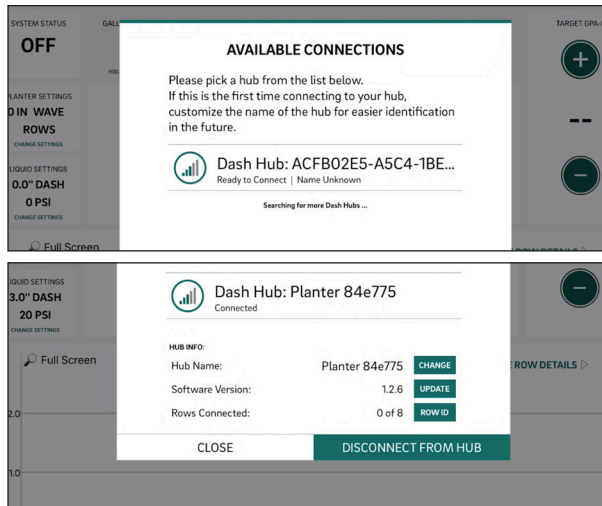
Another pop up will appear and indicate "360 DASH would like to send you notifications. Notifications may include alerts, sounds, and icon badges. These can be configured in Settings." You must click "Allow".

360 DASH APP

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STEP 4 CONNECT TO THE HUB



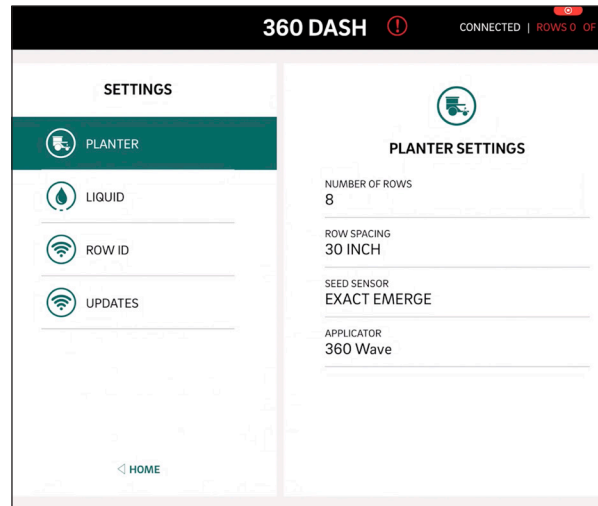
With both Bluetooth and Notifications allowed you will now be able to connect to your DASH Hub. In the "AVAILABLE CONNECTIONS" window click on the "Dash Hub: Unique #". The iPad will indicate that it is connecting and will indicate when the connection is successful.

If you look at the DASH Hub the red LED has changed from a fast flash to a slow steady flash, indicating it is successfully connected to the iPad.

After the connection is successful you can close the "AVAILABLE CONNECTIONS" window.

NOTE: You can access the AVAILABLE CONNECTIONS popup by typing on the text "NOT CONNECTED" or "CONNECTED" in the top right of the header bar. The app will automatically connect to a known DASH Hub in the future.

STEP 5 PLANTER SETTINGS

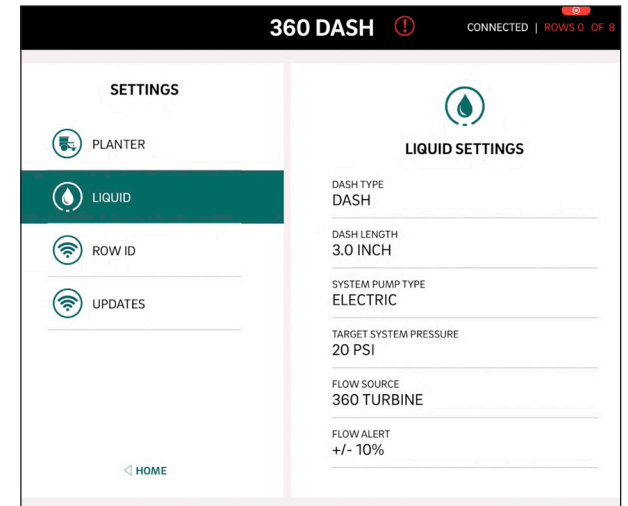


In the top left corner of the app tap, the menu button and choose "SETTINGS".

Tap "PLANTER" to open that section.

In the "PLANTER" section, select the number of rows, row spacing, seed sensor and applicator specific to your planter. Tap each section to see the available options for that section or custom options if available.

STEP 6 LIQUID SETTINGS



In the "SETTINGS" section, tap "LIQUID" to open that section.

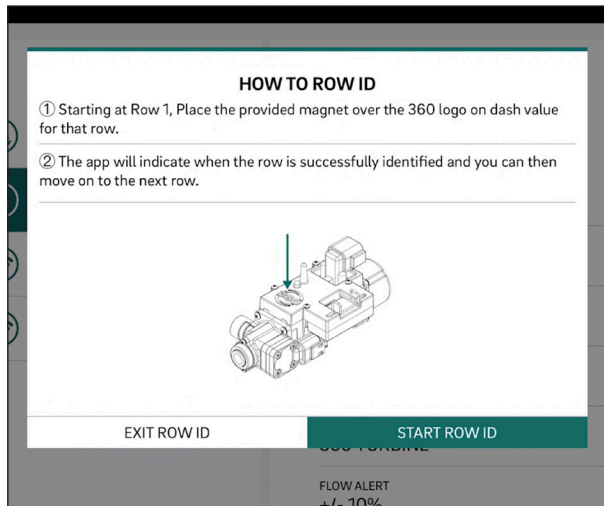
In the "LIQUID" section, select the DASH Type, DASH Length, System Pump, Target System Pressure, Flow Source and Flow Alert specific to your planter. Tap each section to see the available options for that section or custom options if available.

360 DASH APP

SET UP



STEP 7 ROW ID



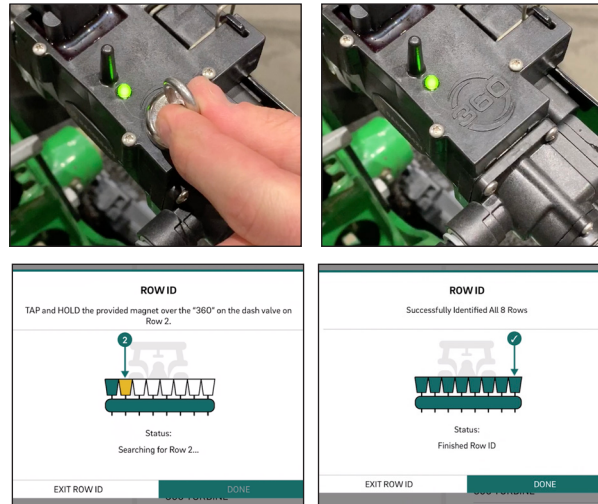
Next, you need to connect your DASH valves to the hub using a process called "ROW ID".

Under the "SETTINGS" choose "ROW ID".

A pop-up will appear that explains the Row ID process. After reading the steps, press "START ROW ID".

The green LED on the DASH Valves and the DASH Hub will change flash pattern to a stutter flash to indicate the row is ready for the ROW ID process.

STEP 7 CONTINUED ROW ID

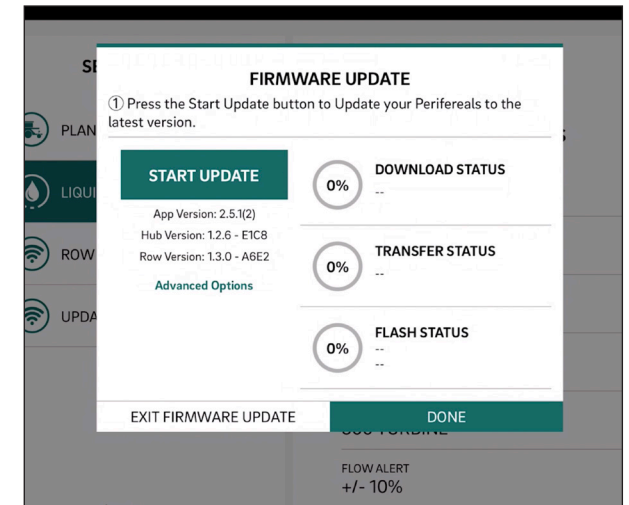


Stand behind the planter and start at the row furthest to the left (Row 1). Place the ROW ID magnet on the 360 logo on the DASH valve. You will get three modes of confirmation when the DASH Valve is successfully identified and you can remove the magnet from the logo: 1) the green LED on the DASH Valve will change from a stutter flash to solid, 2) in the app, you will see row 1 change from yellow to green on the ROW ID popup window, and 3) you may hear the iPad say "Row 1 magnet detected" if your iPad sound is turned on. These signs indicate you can move on to the next row.

Continue this process across the entire planter until all rows have been identified.

After all rows have been successfully identified and tap "done" in the ROW ID" window. The LEDs on the DASH Valves and the DASH Hub will show a slow steady flash.

STEP 8 INSTALL UPDATES



Under "SETTINGS" tap the "UPDATES" option. This will open the "FIRMWARE UPDATE" window.

Click "START UPDATE". It will download the update and transfer it wirelessly to the hub which will update the system.

The status of the update can be seen in the app. The update process can take anywhere from 5-15 minutes depending on the age of the iPad and the connection strength.

When the update is complete tap "DONE".

360 DASH APP Setup Complete.

360 DASH APP TOOLS

SYSTEM FLOW CALIBRATION



NOTES: Excessive air in the liquid system may cause the calibrations to fail. If this is a new install consider running the purge-prime or demo modes shown on pages 8 and 9 before running this test.

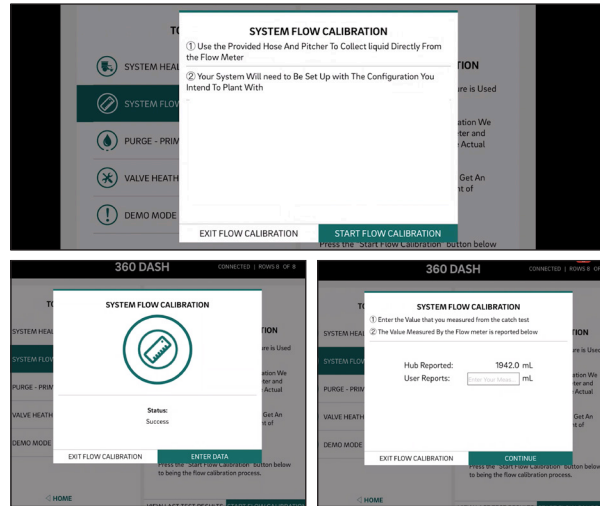
When using this tool liquid will come out of the hose. Choose your location accordingly.

The first time you run this check you can use water. However, before you go to the field to plant you will want to run this check with the liquid you intend to use during normal operation.

Locate the Catch Test Kit which includes a hose and pitcher. You will also need the iPad.

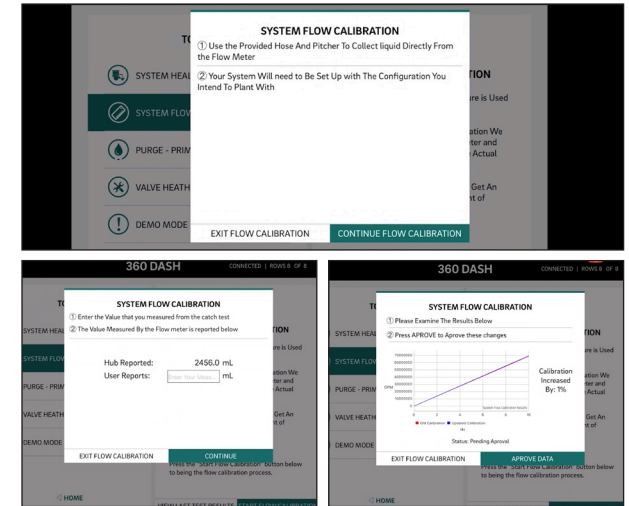
Remove the metal fork on the hose that's installed on the system and replace it with the hose from the Catch Test Kit. Be sure to reinstall the metal fork.

Place the pitcher on the ground so that the end of the hose hangs into the pitcher.



In the "TOOLS" section of the app, tap the "SYSTEM FLOW CALIBRATION" option.

Hold the hose over the pitcher and then with your other hand press "START FLOW CALIBRATION" on the iPad. The pump will kick on and the valve will open. It will first dispense liquid at a low flow rate. When the system shuts off, tap "ENTER DATA". Look at the pitcher and determine how much liquid was dispensed. Enter that amount in the "User Reports" field on the iPad. Tap "CONTINUE".



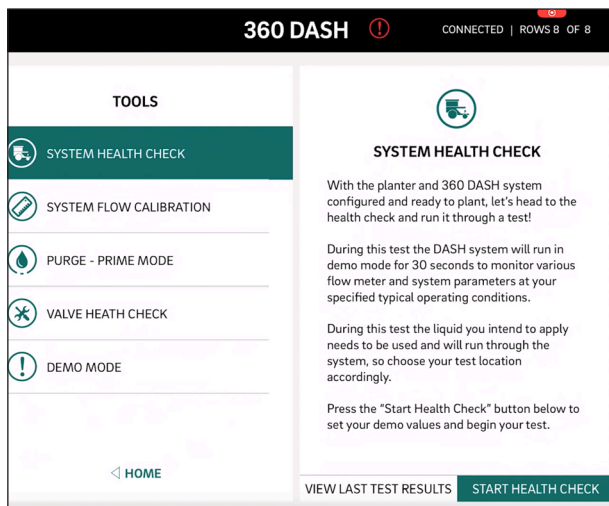
Empty the pitcher before you start the next portion of the test.

Reset the pitcher and hose. Tap "CONTINUE FLOW CALIBRATION". It will now repeat the test at a higher flow rate. When the system shuts off, tap "ENTER DATA". Look at the pitcher and determine how much liquid was dispensed. Enter that amount in the "User Reports" field on the iPad. Tap "CONTINUE".

A report will be generated and will indicate if your calibration should be adjusted. Tap "APPROVE DATA" to finalize the calibration. Tap "DONE" to close the window.

360 DASH APP TOOLS

SYSTEM HEALTH CHECK

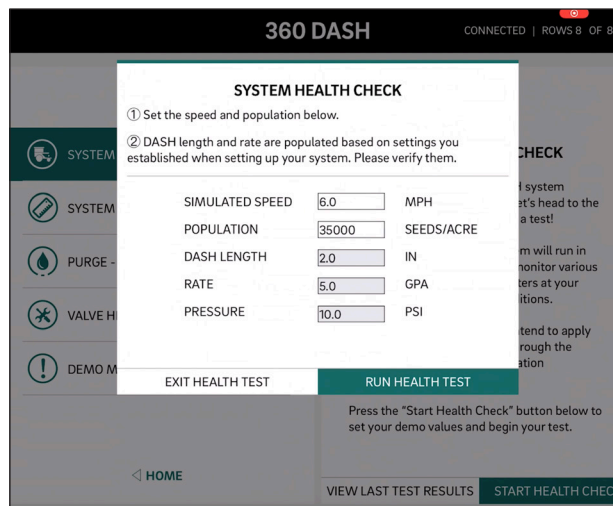


NOTES: Excessive air in the liquid system may cause the calibrations to fail. If this is a new install consider running the purge-prime or demo modes shown on pages 8 and 9 before running this test.

When using this tool liquid will come out of each row. Choose your location accordingly.

The first time you run this check you can use water. However, before you go to the field to plant you will want to run this check with the liquid you intend to use during normal operation.

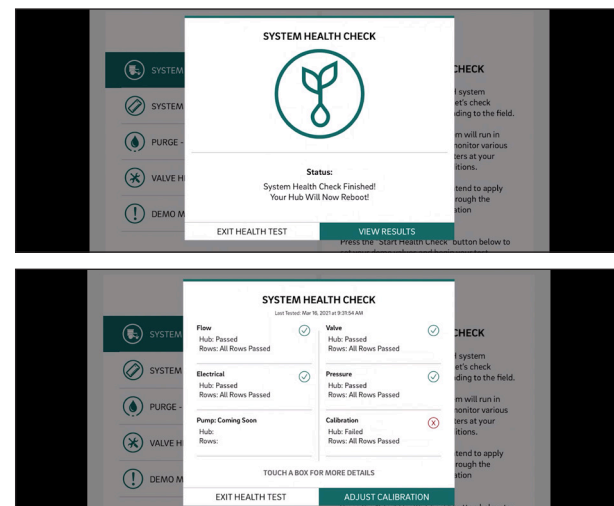
Tap "START HEALTH CHECK" in the bottom right of the "SYSTEM HEALTH CHECK" section.



Input the speed you intend to run during planting and the population you will be planting at. The remaining fields are auto-populated based on the settings you applied when setting up your system.

NOTE: If any of the auto-populated fields do not match the settings you intend to use when planting return to the "SETTINGS" section and update them before running the system health check.

When all the fields in the "SYSTEM HEALTH CHECK" window are correct click "RUN HEALTH TEST".



The system will start up and begin to dispense liquid. The iPad will indicate the status of the test.

The system will first stabilize for about 30 seconds. It will then acquire data and run it through a list of checks.

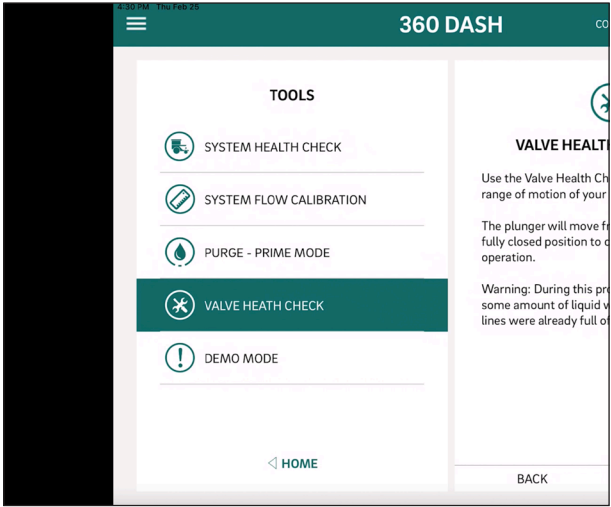
Once complete the system will reboot and generate a report. Tap "VIEW RESULTS" to review the generated report.

Based on the results calibration may need to be adjusted. If so click "ADJUST CALIBRATION" and it will then display a message of how the calibration needs to be adjusted and give you the option to approve the adjustment.

If you have any questions about any sections that do not pass this check please reach out to our Product Support Team.

360 DASH APP TOOLS

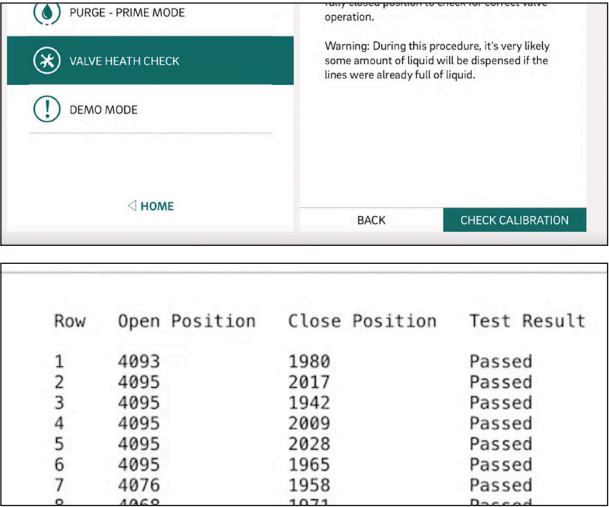
VALVE HEALTH CHECK



Tap the “VALVE HEALTH CHECK” option from the list of tools.

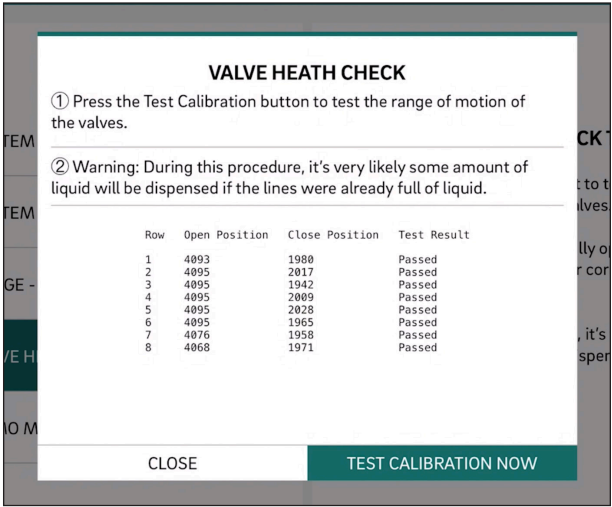
This check is designed to ensure each valve has full range of motion.

NOTE: If your planter has already run liquid, some liquid may escape the valves during this check so choose your location accordingly.



Tap “CHECK CALIBRATION” to begin the check.

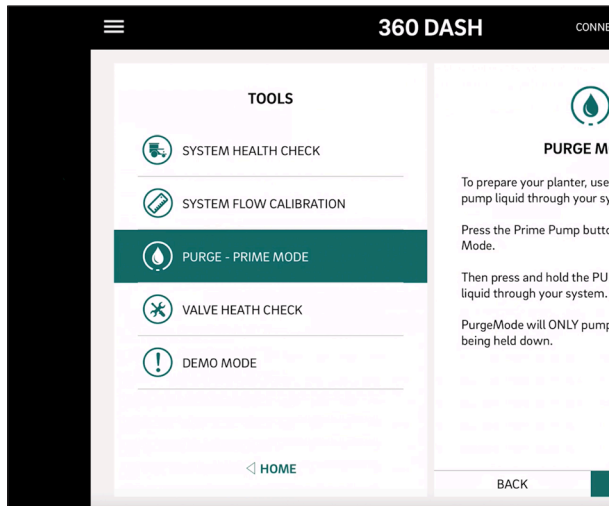
The status of the check will be indicated in the app.



Once you see a report for every row your check is complete and you can tap “CLOSE”. If you have any questions about any rows that do not pass this check please reach out to our Product Support Team.

360 DASH APP TOOLS

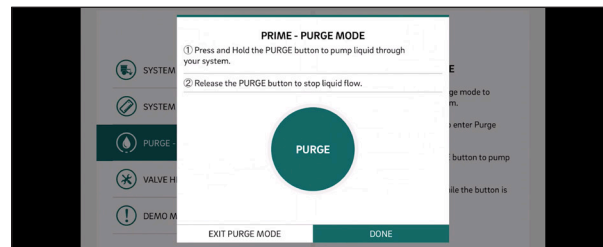
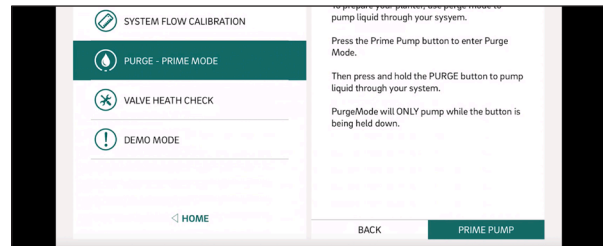
PURGE-PRIME MODE



NOTE: When using this tool liquid will come out of the hose. Choose your location accordingly.

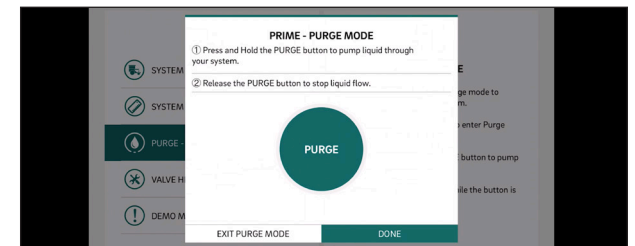
This tool can be used to purge the system of air, clean out the system at the end of the season or help winterize the system.

In the "TOOLS" section of the app, tap the "PURGE-PRIME MODE" option.



Tap "PRIME PUMP" to enter purge-prime mode.

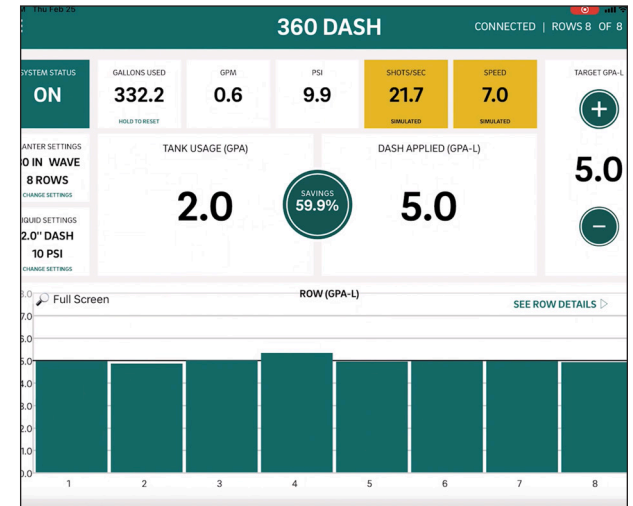
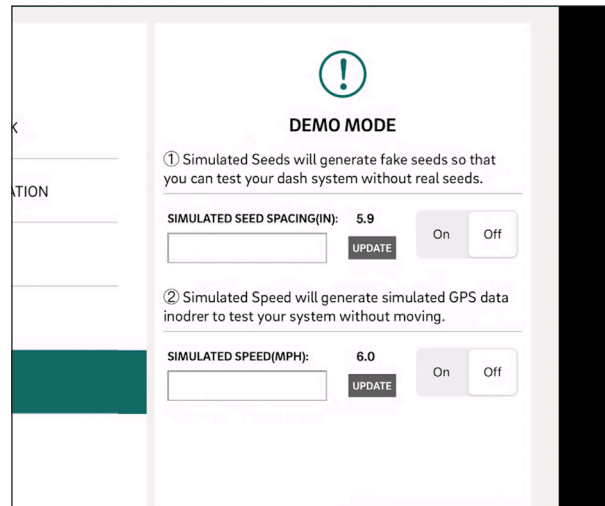
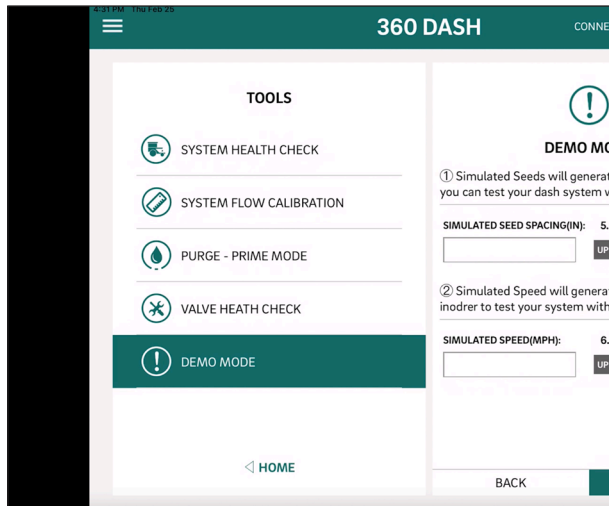
To run this mode press and hold the "PURGE" button.



The system will run as long as the button is pressed. When you release the button the system will shut off. When complete you can press "DONE" to close the window.

360 DASH APP TOOLS

DEMO MODE



NOTE: When using this tool liquid will come out of the hose. Choose your location accordingly.

In the "TOOLS" section of the app, tap the "DEMO MODE" option.

In the "SIMULATED SEED SPACING" field enter the seed spacing you intend to use when planting.

In the "SIMULATED SPEED" field enter the speed you intend to run when planting.

Toggle the on/off button to "ON" for both fields.

Tap the menu button in the top left corner of the app and choose "HOME". This will take you back to the run screen. The "SHOTS/SEC" and "SPEED" sections of this page should be yellow to indicate they are in simulated mode. You can then check all the other sections of the page to ensure that the system is operating correctly.

360 DASH APP TOOLS

USING THE APP DURING OPERATION



MENU

The menu gives you access to all your settings and tools as well as the user manuals.

SYSTEM STATUS

This is an on/off switch. Tap the section to toggle the switch to the "ON" setting to tell the system you are ready for it to operate as soon as it sees the first seeds.

PLANTER SETTINGS

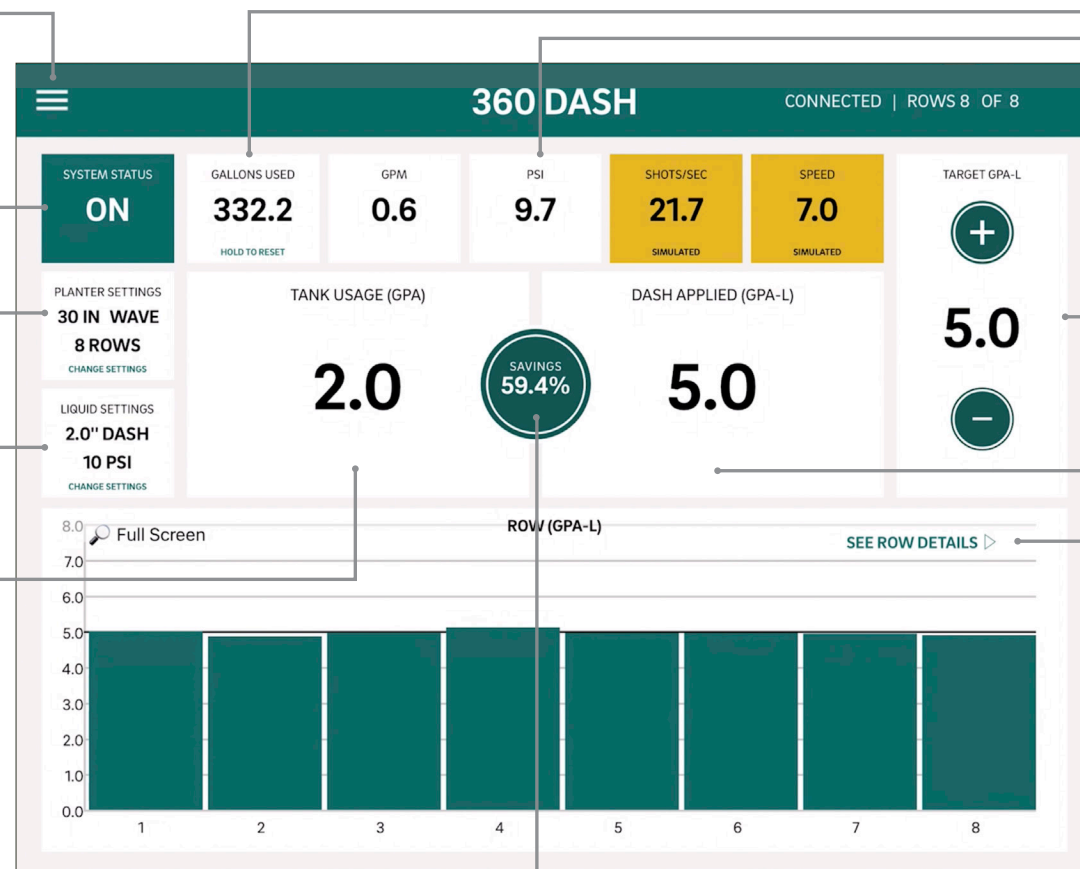
This section is a reminder of the main planter settings you determined during the setup process. You can tap this section if you want to make a change to any of the planter settings.

LIQUID SETTINGS

This section is a reminder of the main liquid settings you determined during the setup process. You can tap this section if you want to make a change to any of the liquid settings.

TANK USAGE (GPA)

This value shows the actual gallons per acre being used.



GALLONS USED

Reports total gallons used since you last reset it. Press and hold this section to reset the total gallons used to zero.

PSI

Reports the current pressure on the outlet side of the pump. This should match the pressure target from SETTINGS.

TARGET GPA-L

This value should be set to the rate you would use if you were applying a continuous stream across the entire field.

DASH APPLIED (GPA-L)

Reports the actual rate that is being applied on average across the entire planter.

ROW (GPA) CHART

This section shows you how each row is behaving. If you would like to see more details for a specific row you can tap the "SEE ROW DETAIL" link in the upper right section of the chart.

SAVINGS

Remember if you have a seed spacing of 6 inches and you are applying a 3" dash with a target gpa of 10 GPA your tank usage will only show about 5 GPA because you are only applying in dashes of 3" instead of continuous. The difference between tank usage and dash applied results in the savings section in the middle.