QUICK REFERENCE GUIDE-20|20 GEN 3-FURROWFORCE HOME SCREEN CONTROL



Ensure the legend is displaying a representative operating range before making adjustments. Press legend to open dialog window allowing you to set the low and high limits, as well as the number of steps in the legend.



Note:

30-40 lbs. of **Closing Margin** is generally ideal for most conditions. Adjust the **Closing Target** or manual regulator pressure as needed, based off **FurrowForce** maps/metrics and closing performance investigation in-field.

FurrowForce Maps and Operation

The following maps are available on the 20/20 for FurrowForce:

 ${\bf Closing} \ {\bf Margin} - {\rm Displays} \ {\rm the weight} \ ({\rm lbs}) \ {\rm on} \ {\rm the second stage} \ {\rm wheels} \ {\rm for \ each \ row}.$

Closing Act. Pressure – Displays the pressure (psi) in the airbag for each row.

A blue dot on the **Closing Margin** map indicates potential loss of closing. If blue dots are appearing regularly for multiple rows and the **Good Closing** value in the **Closing** widget is dropping below 100%, the **Closing Target** should be increased.

A red or dark orange dot on the **Closing Margin** map indicates excess closing weight. If the majority of the **Closing Margin** map is reading heavy with possible compaction from **FurrowForce**, the **Closing Target** should be decreased.

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Light – Closing Target is set to 15 lbs.

Standard – Closing Target is set to 35 lbs.

Heavy - Closing Target is set to 55 lbs.

Custom – This setting is user defined and allows for target adjustments of 5 lbs. using the "+" and "-" buttons. The slider under the Closing Target value can also be used for even finer adjustments if needed.

Note: start with **Standard** set as the **Closing Target**. Generally 30-40 lbs. of closing margin is ideal, but always check closing performance in-field and on available maps. Adjust the **Closing Target** as needed.

QUICK REFERENCE GUIDE-20|20 GEN 3-FURROWFORCE DIAGNOSE



Supply Volts Sensor – Displays the supply voltage for the FurrowForce Load Sensor

Supply Volts Module – Displays the supply voltage for the FurrowForce Control Module

Reading (lbs.) – Weight being carried on second stage wheels as measured by the FurrowForce Load Sensor.

Status - Sensor state/status (Active, Faulted, Ignored)

Reference Value - Baseline for each sensor

Calibration Factor – Value is specific to the FurrowForce Load Sensor (0.549)

Pressure Cmd (psi) - Commanded pressure to achieve closing force target based on sensor reading.

Pressure Actual (psi) – Individual airbag pressure as measured by the FurrowForce Control Module

Note: If a FurrowForce Load Sensor is ignored, that row will control FurrowForce to the average of all other properly operating rows.