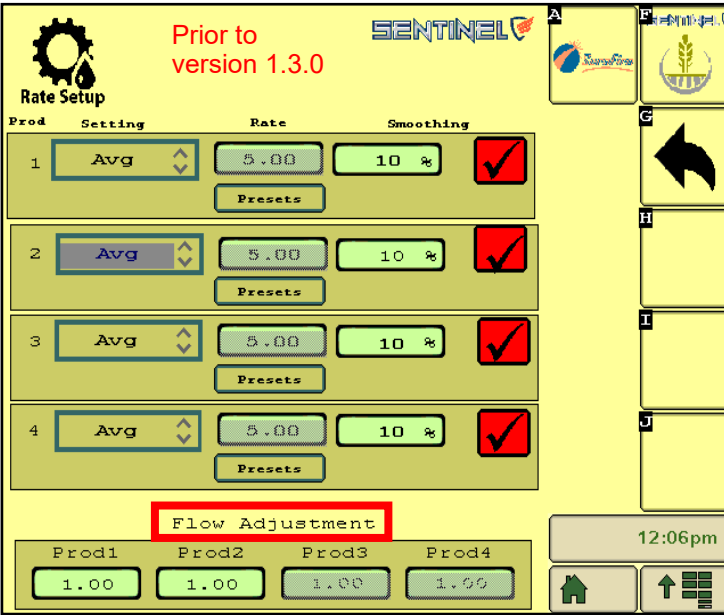


Sentinel Flow Adjustment - fine-tuning the Sentinel flowmeters



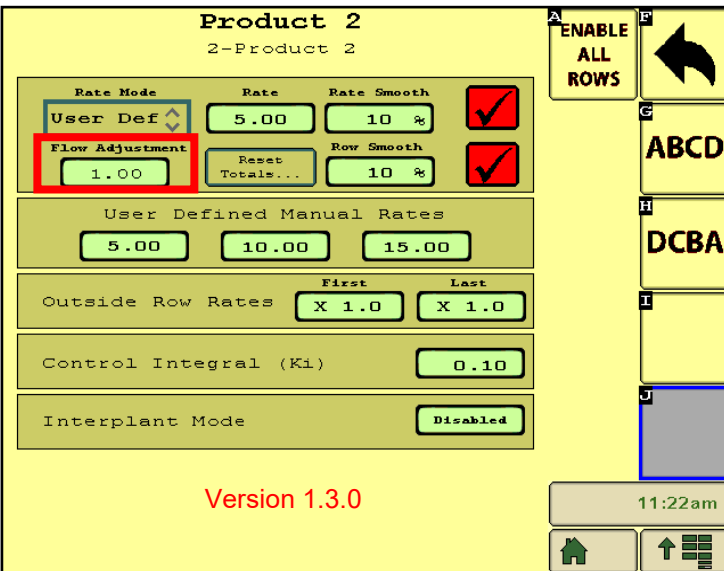
When Sentinel Row Monitoring is being used, at times there may be a slight discrepancy between the flow or rate shown by the main flowmeter on the Row Control system and the Sentinel flowmeter modules on the row. First, be sure the main flowmeter is measuring accurately.

Flow Adjustment - Use this to synchronize the Sentinel flowmeter modules with the main system flowmeter. Once the accuracy of the main flowmeter has been confirmed, change the Flow Adjustment factor as needed to synchronize the Sentinel reading with the main flowmeter reading.

$$\text{Main Flowmeter GPM (or GPA)} \\ \text{Sentinel Total Flow GPM (or GPA)} =$$

Flow Adjustment Factor

(If different from 1.00, this should not be much different. Generally, will be between 0.95 and 1.05.)

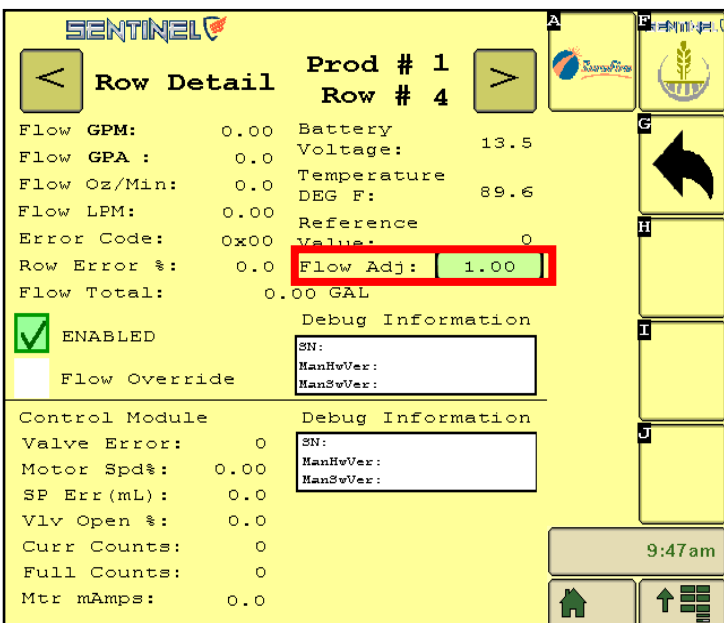


Beginning with version 1.3.0, Sentinel has the ability to fine-tune the flowmeter on each row.

An example might be like this while using **Row Monitoring**:

Row 7 always shows that it is a little low. Do a catch test with Row 7 and several other rows to verify if it is actually low. If it is low, check the plumbing and take steps to increase the flow on that row.

If the catch test shows that Row 7 actually is putting out the same as the other rows, go to the **Row Detail Screen and Pause Row Scan** and use the **Flow Adj** feature. Increase the Flow Adj. Factor from 1.00 to 1.05. Adjust as needed to get that Row to display correctly.



For Sentinel Row Control: If catch tests show that a row is not putting out the right amount, go to the **Row Detail Screen, pause Row Scan, and change the Flow Adj number. Increase the number if that row needs to put out more. Decrease the number if that row needs to put out less.**