

# FarmTRX™ Calibration Guide

To ensure you have accurate live yield results, it is recommended that you calibrate each crop you will be harvesting each season. Keep in mind, calibration is required for an accurate live yield result but in case you don't calibrate or leave your phone/tablet at home, you can post-calibrate your fields after you upload the data in the Web App.

You can calibrate your Yield Monitor by volume or by weight. The quick and easy way to get a relatively accurate number is to calibrate by volume using one hopper load. Make sure you know your hopper's total volume capacity. If you have access to a weigh wagon or grain tank with scales, you can also harvest by weight. The third option is to harvest by combined volume and weight, which will update your bushel/weight conversion value.

To begin a calibration run, make sure you have an empty hopper. Open the Mobile App and confirm the crop type at the top of the screen is correct. Press the "Start Calibration Session" button. The calibration screen will keep track of your acres, volume, and weight while harvesting. Please remember, the volume and weight shown are at your current calibration levels.

Once your calibration run is done, either by harvesting a full hopper for a volume calibration or using a weigh wagon for a weight calibration, press the "Complete Calibration Session" button. A dialog box will appear, and you can choose to calibrate by volume, weight, or both. Choose your preferred units and then enter in the actual measured amount. Once the updated calibration number appears, press "Save". You will be prompted to apply this updated calibration value to the current harvest totals on the live screen.

Don't worry if you begin calibrating halfway through a field. The updated calibration will be backwards applied to the whole field once uploaded to your Web App account.

The calibration function can also be paused. The pause function is useful if you want to calibrate by weight, but don't have access to a weigh wagon. It allows you to continue harvesting while the calibration sample is being weighed elsewhere. After harvesting your calibration run, press the "Pause" button on the calibration screen. The sample harvested during your calibration run can then be taken away to an elevator and weighed remotely. Meanwhile, you can return to the live screen and continue harvesting. Once the calibration sample is weighed, switch back to the calibration screen, add the calibration sample weight, and complete the calibration session.

Updated calibration numbers will be visible in the Add/Edit Crops page of the Mobile App. You can manually adjust calibration numbers here if you choose. The equation for updating your calibration numbers is:

$$\text{New Calibration} = \frac{\text{Actual Harvested Amount}}{\text{Yield Monitor Calculated Amount}} * \text{Current Calibration}$$

So, if you harvest a full hopper load and your hopper has a capacity of 300 bushels, but the yield monitor is showing a total volume of 200 bushels at a calibration of 25000, the equation will look like this:

$$\text{New Calibration} = \frac{300 \text{ bushels}}{200 \text{ bushels}} * 25000$$
$$\text{New Calibration} = 37500$$

If you are not able to calibrate while harvesting, please keep track of your total harvested volume from each field. You can post-calibrate all your fields in your Web App account afterwards.

If you have any questions, please contact us at [support@farmtrx.com](mailto:support@farmtrx.com).