

# AgStudio 2016 SP0 Hot Fix 1

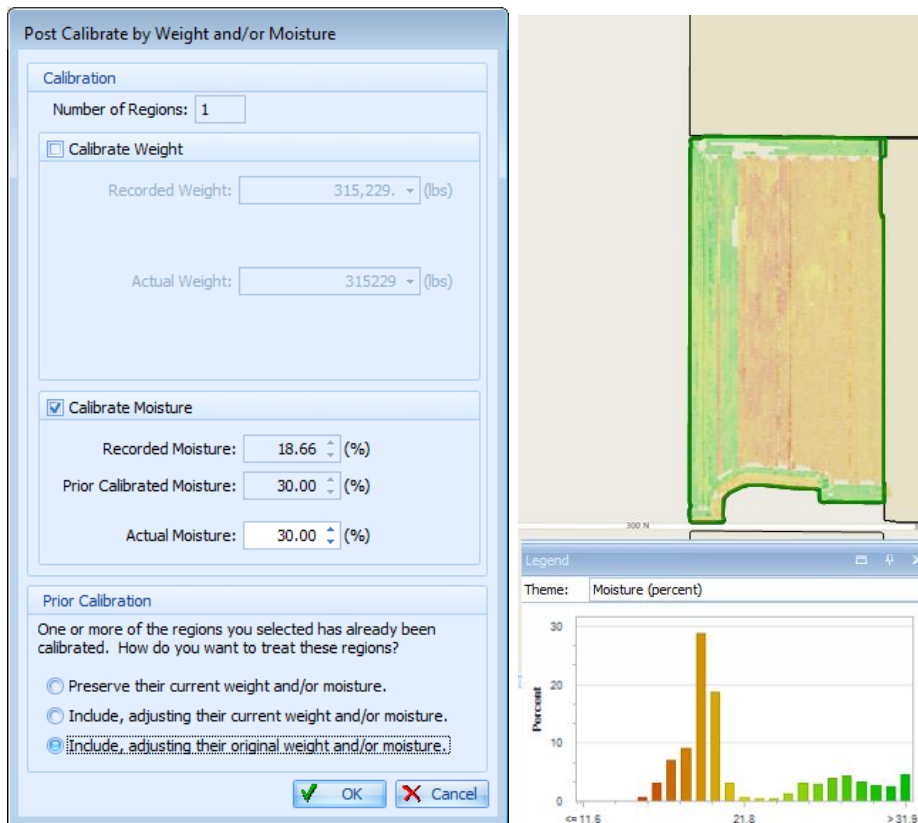
## Release Notes September 1, 2016

The 2016 SP0 release gave us a good foundation going into fall. We have continued to build upon that with our SP0 HF1 release that corrected a few items that had slipped through as well as completing a few new features.

### Grain Moisture Post Calibration

Post calibration by weight has been in AgStudio for years; with HF1 you can now post calibrate the moisture values as well. The same options you have had for weight are now present for moisture, as well as the options to retain the calibration of specific loads when doing whole field corrections.

- 🔗 Recorded Moisture – The weighted average moisture content of the source value from the monitor weighted by the CALIBRATED weight of the region.
- 🔗 Prior Calibrated Moisture – The weighted average moisture content of the value from sensor value record, weighted by the calibrated weight of the region.
- 🔗 Actual Moisture – Enter the moisture content you want to end up with.



The screenshot shows the 'Post Calibrate by Weight and/or Moisture' dialog box on the left and a field map with a histogram on the right.

**Post Calibrate by Weight and/or Moisture**

Calibration

Number of Regions: 1

Calibrate Weight

Recorded Weight: 315,229 (lbs)

Actual Weight: 315229 (lbs)

Calibrate Moisture

Recorded Moisture: 18.66 (%)

Prior Calibrated Moisture: 30.00 (%)

Actual Moisture: 30.00 (%)

Prior Calibration

One or more of the regions you selected has already been calibrated. How do you want to treat these regions?

- Preserve their current weight and/or moisture.
- Include, adjusting their current weight and/or moisture.
- Include, adjusting their original weight and/or moisture.

OK Cancel

**Field Map and Histogram**

The field map shows a rectangular region outlined in green. Below the map is a histogram titled 'Moisture (percent)'. The y-axis is labeled 'Percent' and ranges from 0 to 30. The x-axis has markers at <= 11.6, 21.8, and > 31.9. The histogram shows a distribution of moisture values, with a peak around 21.8%.

## Surfacing Engine Replacement

Due to an increased number of cases where surfacing did not function properly, we replaced a third-party surfacing engine with our standard geometry objects. Performance on surfacing may be slightly slower but we are already working on further optimization for future releases.

## Recommendations and Exports

- Improved the Advanced Nutrient Recommendation extension to better handle layers with issues such as null geometry records.
- Updated VRF Export to verify the prescription area matches the measured crop zone area instead of the reported area.
- Corrected IRX export (AgLeader Insight device) to correctly handle zero rate prescription areas.

## Soil Test Automation

- Corrected issues that could arise from layer data that was not complete, such as missing SampleID values.
- The new work order dialog can now open when no lab has been selected.
- Improved the handling and diagnostic messages that show when a work order has invalid records. Many times these invalid records are due to the deletion of the underlying layer or field from the Resources tree.
- Corrected an issue where a layer could be overwritten if the layer was created immediately prior to adding it to a work order.
- Corrected an issue where imported lab results did not update the work order status.
- Improved performance of loading work orders into the Sampling Work Order dialog.
- Corrected the sorting of bag labels and submittal sheets.
- Corrected the synchronization of work orders and work order details with AgStudio MAP.

## Miscellaneous

- Updated the DSO services to appropriately split a manual field operation when printing reports for landlord and associates.
- Ensured themes are being used when attribute *name* does not match the attributes *display name*.
- Corrected a behavior that was caused by updated third party controls where changes to layer attributes were not being saved.
- Corrected an issue with transferring farms to another grower when crop years did not match.
- Ensured that product lots can be added to grower domains regardless of past status or domain access.
- Improved the Variety Layers extension to better handle problem field operation data.