

Fusion Release Notes

VERSION: 3.2; BUILD DATE: 2015-12-21

New Features

- Fusion is now compatible with Windows 10 and Mac OS X 10.11 El Capitan.
- **Case #80** The following enhancements were made for those using GPS devices on their trucks.
 - **Feed Guard.** When Feed Guard is enabled, Fusion helps ensure bunk calls are not made and feed is not delivered to the wrong pen. You can enable Feed Guard in the **GPS Settings** window.
 - **Delivery Guide.** Delivery Guide helps you deliver feed more consistently along a bunk so that you don't have to back up as often. This feature can also be enabled in the **GPS Settings** window.
 - **Truck Movement Analysis.** This feature calculates information related to a truck's movement such as the time spent idle vs moving, the number of times the truck was in reverse, and the average and maximum speed of the truck during the day. This information can be compared against other trucks or users. This feature is available from the  button in the **Truck Activity Playback** window.
 - Pen numbers are now drawn onto the map in the **Truck Activity Playback** window.
 - A search object has been added to the **Truck Activity Playback** window so you can more easily find certain actions when you don't know the time they occurred or if you want to jump to a specific time.
- **Case #14** Fusion can now keep track of the batch a drug was in when it was given. Drug batch numbers can be entered manually in the **Drug Edit** window. They can also be changed on the fly during a chuteside job by using the  button in the **Job Controller** window and choosing the new **Change Drug Batch Number** option. You can view the batch number associated with a drug event in the **Drug Event List** window and in the **Inspector** tab when reviewing job events.

- **Case #82** The **Lot Info Export** is now capable of exporting the basic information found in the **Feed Usage By Ingredient** , **Feed Usage By Ration** , **Feed Usage By Ration Version** , **Drug Usage** , and **Input Usage** detail areas in the **Lot Center** window. Use the **Options** tab in the **Lot Info Export** window to have Fusion add this information to the export if needed.
- **Case #27** Feed is always billed to lots that are in a pen at midnight. If the pen is empty at midnight, the feed will have nowhere to be billed. Some people backdate or otherwise adjust feed deliveries. Fusion now checks the status of each pen at midnight and sends you a system message if it finds any pens in this situation. You can then use the new **Unbilled Feed** window to make corrections. This window is found at **Fusion Office → Yard Reports → Unbilled Feed**
- **Case #90** If you used a rotating drive backup system or something similar where some secondary backup destinations are not available on purpose each night, Fusion used to send unneeded backup failure warnings. A new option in the **Secondary Backup** window can be used to alleviate this issue.

Changes

- If you create a new SSG Case, you no longer have the option of not subscribing. This is necessary so we have a way of following up for clarification.
- For new case notifications, there is now a button you can click to immediately show the case information.
- The **Play Through Next Action** option in the **Truck Activity Playback** window is now on by default.
- Low level code for communicating with the HELM server (Comco micro machines) was refactored. No changes should be noticed.
- Fusion now uses the system font for most text displayed in windows.

Bug Fixes

- If a full sync was performed within the first 60 seconds of upgrading to Fusion Truck 3.1, an error would occur. This is fixed.
- After installing Fusion Truck 3.1 for the first time or with the **Remove Previous Datafile** option

turned on, Fusion Truck could not find its datafile automatically. This is fixed.

- When editing a drug or input event, it was possible for the **Billing Category** field to reset back to the default for the event's drug or input as soon as the **Drug Event Edit** or **Input Event Edit** window was opened. This is fixed.
- When Fusion checks on things like whether a backup worked correctly during the night, if there is a problem it sends admin level users a system message marked urgent. If the user is also set up to receive a text for urgent messages, the text will be sent in the middle of the night, possibly waking them up. This is fixed by not allowing texts to be sent during the night. The message will still be shown in Fusion when the user logs in in the morning.
- **Case #99** Fusion did not correctly handle termination strings with characters in the range of ASCII 0-31 (except the common ones such as ASCII 9, 10, and 13) for scale indicators, temperature probes, and other serial hardware devices. If your scale head was working in the past, you won't see any change, but if you have a new type of scale head that wouldn't work, this fix may change that.