vas

FeedComp

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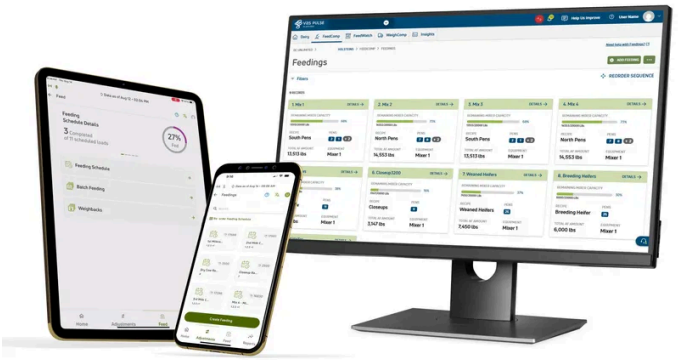
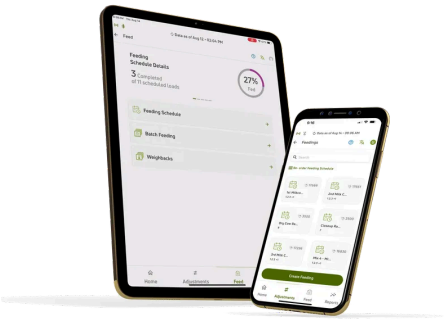
1. FeedComp Overview

FeedComp streamlines feed management by unifying cloud and mobile tools into a single, efficient operation. Use FeedComp to create recipes, assign them to pens, load and drop feed, make adjustments, review feeding results, and project inventory needs. Whether you are working at a desk or feeding from a tractor, everyone uses the same up to date information.

Get Started with FeedComp!



FeedComp Mobile App

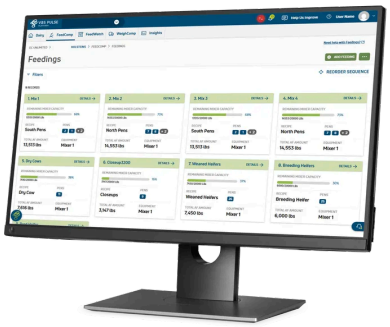


The FeedComp mobile app connects directly to mixer scales, and it guides loaders and feeders through each step of loading, mixing, and dropping feed. For added convenience, you can also complete all setup and adjustments from the mobile app. Your feeding reports are right at your fingertips as well.

GET IT ON Google Play

Download on the App Store

FeedComp in the PULSE Web Portal



Use FeedComp in the PULSE web portal when you need more screen space to manage configuration settings, adjust feedings, manage your feeding schedule, and view insights into your feeding operation.

With a **feeding-first design**, FeedComp does not allow active feedings to be interrupted when someone makes changes in PULSE. If a ration or setting is changed while a feeding is in progress, the update is applied after the current feeding is completed. This helps ensure feeding continues without delays and keeps feeding scores and reports accurate.

What can I do in FeedComp on PULSE compared to the Mobile App?

The table below identifies the tasks you can complete in FeedComp on PULSE and the mobile app. For all tasks that can be completed on both platforms, changes remain synchronized while the mobile app has an active data or WiFi connection. If the mobile app goes offline, changes will sync from mobile to PULSE and vice versa once the app is back online.

Task	Web (PULSE)	Mobile App	Notes
Install the FeedComp App		✅	Mobile-only initial log-in.
Configure Mobile App Settings		✅	App-specific preferences & language.
Configure and Connect the Scale		✅	Requires Bluetooth pairing out on the farm.
Configure FeedComp Settings on PULSE	✅		Manage system-wide FeedComp settings and user permissions.
Locations	✅	✅	Define where feed ingredients are stored on the dairy.
Equipment	✅	✅	Define the the mixers and scales used to prepare feedings in FeedComp.
Pens	✅	✅	Pen counts are used to calculate daily feed amounts.
Ingredients	✅	✅	Each ingredient is linked to specific storage locations (bays, piles, or lots).
Recipes	✅	✅	Define what each animal group is fed and in what amounts.
Inventory	✅	✅	Record deliveries and make adjustments.
Vendors	✅	✅	Manage where feed comes from and which ingredients are available.
Manage Feedings	✅	✅	Create and schedule feedings and add special ingredients, such as premixes and weighbacks.
Create and Schedule Feedings	✅	✅	Adjust order, split feedings, or update details as plans change.
Batch Feedings		✅	Used for feedings not already on the schedule.
Manage Weighbacks	✅	✅	Use Filler Loads to pick up and reuse leftovers as the first ingredient.
Feed Using the App		✅	Start a feeding, load ingredients, and drop to pens.
Set Up Loader View (BETA)		✅	Connect your loading device to your feeding device, so any operations on your feeding device are mirrored on your loading device
View Reports	✅	✅	View all FeedComp reports. Note that the Income Over Feed Cost Report is only available in FeedComp on PULSE.

2. Start Here: Better Feeding Made Simple

FeedComp includes a wide set of capabilities designed to help you get more value from your feeding workflow—often in ways that go well beyond what you'd expect at first glance. Once you're familiar with what FeedComp can do, you can use it to support more flexible, real-world feeding scenarios while still keeping your process consistent and trackable.

What FeedComp Offers Your Farm

On day one, FeedComp establishes a "single source of truth" for your farm. FeedComp helps move your operation to a simple, repeatable feeding system:

- Plan feedings and set a feeding schedule
- Complete loads and drops step-by-step in the mobile app
- Know what happened with clear target vs actual records (and inventory impact when enabled)

This builds consistency and confidence without forcing your farm to change everything at once.

Basic Feeding Flow

Use these steps to start feeding with the fewest decisions.

1. **Check today's feeding schedule.**
   Confirm the pens/groups, ration/recipe, and target amounts.
2. **Open the mobile app and pick the next feeding.**
   Your worklist shows what's planned for today.
3. **Load/mix as directed.**
   Follow the ingredient list and target amounts in the mobile app.
4. **Deliver to the assigned pens/groups.**
   Deliver the load to the planned locations.
5. **Complete the feeding.**
   FeedComp records what was fed so you can review and improve over time.

See Your First Feeding below to learn more.

Batch Feeding for Unscheduled Feedings

Batch feeding is used for ad-hoc feedings outside the main feeding schedule. It supports unplanned or one-off feeding needs while keeping feed data accurate and consistent.

Batch feedings are created and completed in the FeedComp mobile app using existing recipes and equipment settings, so unplanned feedings follow the same standards as scheduled ones.

Use batch feeding when feed is needed outside the planned schedule and you need to record what was fed.

1. **Create a batch feeding in the mobile app.**
   Select a recipe and add one or more pens.
2. **Load and mix the feed.**
   Follow the ingredient targets shown in the app using the connected scale.
3. **Deliver feed to each pen.**
   Drop the mix at each selected pen. You can advance, skip, or ignore pens as needed.

4. **Complete the batch feeding.**
   Finish the batch to record what was fed and capture a summary.

See Batch Feedings to learn more.

Advanced Options for Real-World Scenarios

FeedComp's advanced features help your farm stay flexible—without losing control—as daily conditions change.

Premixes to Increase Feeding Accuracy

Premixes let you define and manage blends (such as mineral or supplement mixes) as reusable building blocks inside your recipes. Instead of recreating the same combination of ingredients in multiple rations, you can set it up once as a premix and use it wherever it's needed. This makes it easier to standardize nutrition and keep recipes clean and consistent.

See Premix Recipes to learn how to create, edit and mix a premix recipe.

Handle Changes without Restarting the Plan

Alternate recipes let you switch to a pre-configured option when ingredients, availability, or plans change, without rebuilding the schedule. See Alternate Recipes to learn more.

Manage Leftovers

For farms that currently adjust pen counts to "absorb" leftovers, FeedComp provides dedicated tools that keep data accurate instead.

- Filler loads incorporate leftover feed into a planned load with full traceability.
- Weighbacks record and manage leftover feed picked up from pens.

Support Overnight and Cross-Day Operations

Overnight workflows are especially useful when feeding runs late or starts early, but they work best when they match how your farm defines a feeding day.

- Overnight loads allow you to start a load late in the day and then resume and finish it the next day (after the schedule resets).
- Feeding schedule reset defines the feeding day so schedules align with your routine.

> **TIP:** If your farm feeds across midnight, confirm reset settings before relying on overnight loads.

Match Schedules to Real Feeding Practices

If your farm moves animals during the day or feeds ahead of time, automatic pen count updates don't always reflect how feed is actually delivered. FeedComp lets you control when pen counts are applied to the schedule so planned feedings stay consistent with your routine.

Many farms start with stable pen counts and make manual adjustments as needed, then refine how and when counts sync as the team becomes more comfortable.

Managing Pen Counts

When pens are enabled for auto-updates from DairyComp, FeedComp automatically adjusts the **Feeding Counts**, **Total DM** and **Total AF** values based on the pen changes recorded in DairyComp. If synchronization is turned off for specific pens, the **Feeding Count** is managed solely within FeedComp. Understanding how pen synchronization timing and automatic batch recalculations work helps ensure accurate counts, correct feeding amounts, and proper interpretation of feed targets as pen populations change.

See Pens to learn more about managing pens and **Sync Feeding & Animal Counts.**

Getting the Most Value, Quickly

If you're new to FeedComp, a few simple habits can make a big difference. Recording feedings accurately from the start helps ensure that your feeding reports capture what actually happened on the farm and allows you to see value sooner.

Start with these practical patterns:

- **Feed to real pens or groups whenever possible.** FeedComp is most effective when feedings are recorded where animals actually live, keeping results, reports, and totals meaningful over time.
- **Take your time on the drop screens.** Complete each step of a drop before moving on so actual drop amounts are captured accurately instead of skipped or estimated.
- **Use a basic schedule and app-driven workflow** to guide daily feeding and reduce guesswork.
- **Batch feed common routes** to cut down on stops and improve efficiency.
- **Switch to alternate recipes** when weather, ingredients, or conditions change.
- **Use filler loads and weighbacks** to handle leftovers cleanly and keep totals accurate.

> **TIP:** For more information about the concepts discussed on this page, see the Feed Glossary. You can also check out FeedComp Training to learn more.

Your First Feeding (Mobile App)

If you're new to feeding with FeedComp, this article walks you through the basic steps to log in and complete your first feeding using the mobile app. You'll learn how to sign in, select the correct device and feeding type, and move through the feeding workflow from mixing to dropping.

> ⚠️ **IMPORTANT:** Before you begin, make sure you have:
>
> - A dedicated email address
> - A password
> - User permissions that allow you to mix feed in FeedComp
> - A device with FeedComp installed that is NOT set to lock
>
> If you do not have these, contact the farm owner or feed manager before continuing.
>
> Also, before completing your first feeding, make sure the mobile app has been configured correctly. See Configure Mobile App Settings for setup instructions.

Log into FeedComp

Start a Feeding

Video: How to Feed in FeedComp

3. What's New in FeedComp?

Check out the latest features and improvements in FeedComp.

> ⚠️ **IMPORTANT: Update all devices to the latest version** to maintain a reliable connection and avoid sync issues. Using different versions of the app at your farm can cause app loading delays during feeding. VAS recommends setting all feeding devices to auto-update. See FeedComp App Auto-Update to learn more.
>
> **REMINDER FOR FEEDERS:** Be sure to keep the FeedComp app running whenever you are out feeding. Do not close the app or lock your device until active feedings are completed.

FeedComp Release v1.4.4005 - September 2026

This release focuses on bug fixes and stability to give you a more consistent experience. These updates fix data syncing errors to help you keep reliable feeding records.

Bug Fixes

The following improvements apply to the mobile app:

- **Improved data syncing:** Updated the sync process so one bad record no longer stops all your data from uploading.
- **Smoother app experience:** Removed a brief loading sound that played between ingredients and fixed a screen flickering issue on the Android home screen.

FeedComp Release v1.4.3976 - August 2026

This release focuses on improving reporting accuracy, authentication stability, and visibility into the feeding process.

Enhancements

The following improvements apply to FeedComp on PULSE:

- **Detailed feed history:** The Feed History report now provides more visibility into how loads were completed. You can see if a feeder manually advanced, ignored, or aborted specific ingredients or drops.
- **Improved drop tracking:** The Feeding History report now displays three values for drops: **Expected** (original schedule), **Adjusted** (recalculated based on actual ingredient loading), and **Actual** (what was delivered). These values provide a clearer picture of how loading errors impact pen delivery.
- **Accurate alternate recipe reporting:** When an alternate recipe is active, the original recipe's usage now correctly shows as zero, and its associated pens are greyed out. The alternate recipe page also inherits and displays the feedings from the recipe it replaces.
- **Load error report metric:** The system now displays an **Error %** on the Load Error Report in PULSE.
- **Refined ingredient projections:** Ingredient usage and projections now exclude scheduled premixes until they are actually fed. This change keeps the Ingredients page aligned with the Projections report for more reliable inventory planning.

Bug Fixes

- MOBILE ONLY **Authentication stability:** Resolved an issue where feeding devices could get stuck on a loading spinner or fail to log in due to expired tokens. The app now proactively refreshes tokens to prevent session interruptions.
- **Time zone accuracy:** Fixed a reporting discrepancy where feeding data times did not match the dairy's local time zone for farms in Mexico.

- **IOFC report accuracy:** Fixed a bug in the Income Over Feed Cost (IOFC) report where incorrect pen counts and missing premix costs caused inaccurate daily feed cost calculations.

FeedComp Release v1.4.3911 - August 2026

This release includes new features for specific beta sites. For non-beta locations, your current FeedComp experience remains unchanged.

FeedComp Release v1.4.3759 - July 2026

This release focuses on improving application stability and reliability, particularly for offline workflows and scale synchronization.

Enhancements

- **Automatic device log uploads for all users:** All users, including non-feeders, now have their app logs automatically sent to VAS during the nightly reset. This helps our support team fix any technical issues you run into much faster.
- **Updated help links:** All Help buttons in the app now point to our new, improved Online Help Center.
- **Report filter settings don't change:** Report filters now work correctly. The filters stay in place when you switch between reports, making it faster and easier to compare report data.

Bug Fixes

- **Faster scale reconnection:** Improved how the app communicates with Scale-Tec POINT scales. If you drive out of range, the app will now find and reconnect to your scale much faster once you’re back in range.
- **Persistent login sessions:** Fixed an issue that was causing the app to log users out too often. You should now stay logged in even after closing the app or syncing data, so you can get to work without re-entering your password every time.
- **Report access:** Resolved an issue where reports could not be opened because an inaccurate error message blocked access.
- **Zone integration memory:** The app now remembers your previously used zone integrations when you switch between dairies. You won't have to "re-activate" your device as often when logging back in.
- **Accurate first-ingredient loading:** Fixed a bug where leftover weight on the scale could cause the app to skip the first ingredient. The app now correctly zeros out the scale at the start of every new mix.
- **Ingredient editing crash:** Fixed a crash that happened when removing a location while editing an ingredient.
- **Batch feeding navigation:** Fixed the scrolling on the batch feeding screen so you can easily see and select pens at the bottom of long lists.
- **Improved audio stability:** Fixed issues where the loading alarm would keep buzzing even after you skipped or finished an ingredient.

FeedComp Release v1.4.3688 - June 2026

This release focuses on improving application stability and reliability, particularly for offline workflows and scale synchronization.

Bug Fixes

- **Offline stability for Android devices:** Resolved a critical issue where the application would crash on Android devices when starting a batch premix load in offline mode.
- **Restored offline weighback functionality:** Feeders can now perform weighback loads without an active internet connection.
- **Improved audio stability:** Addressed a stability issue where missing volume settings could cause the application to crash during a load.

FeedComp Release v1.4.3660 - June 2026

Enhancements

- **Improved Topcon auto-advance:** For a smoother feeding process without manual intervention, the app now includes improved auto-advance behavior. If the scale doesn't signal that you've reached the correct weight, the app automatically moves to the next ingredient after 3 seconds. This supports a more efficient feeding process even if there are minor communication delays with the scale.

Bug Fixes

- **Feed history missing mixer:** We fixed an issue where the mixer name was occasionally missing from load and drop histories in PULSE.

Tips, Known Issues, and Workarounds

Earlier Releases

3.1. Earlier Releases - 2025

FeedComp Release v1.4.3089 - December 2025

Enhancements

ENHANCEMENT **Topcon Digi-Star scale integration improvements:** The app's user interface now matches the Topcon Digi-Star scale indicator. We also made several improvements to ensure that the integration is easier to set up and use. See Configure a Topcon Digi-Star scale for instructions on how to properly configure and connect the scale to the FeedComp App.

FeedComp Release v1.4.3069 - December 2025

Bug Fixes

- **App stability improvements**: We strengthened FeedComp's performance behind the scenes. Always keep FeedComp open during feedings for the best experience.
- **View full pen details**: Pen details are now fully visible across all devices. Previously, some details were cut off on some devices.
- **Multilingual translation updates**: Throughout the app, we refined some phrasing and improved some translations to ensure the best feeding experience in any supported language.
- **Metric conversion fixes**: Reports now correctly display units in kilograms. We are also introducing an update that rounds metric values and removes unnecessary decimal values. This enhancement will be fully available in an upcoming release.
- **Error message fix**: Inaccurate error messages no longer pop up when you create a new ingredient or recipe.

FeedComp Release v1.4.3069 - December 2025

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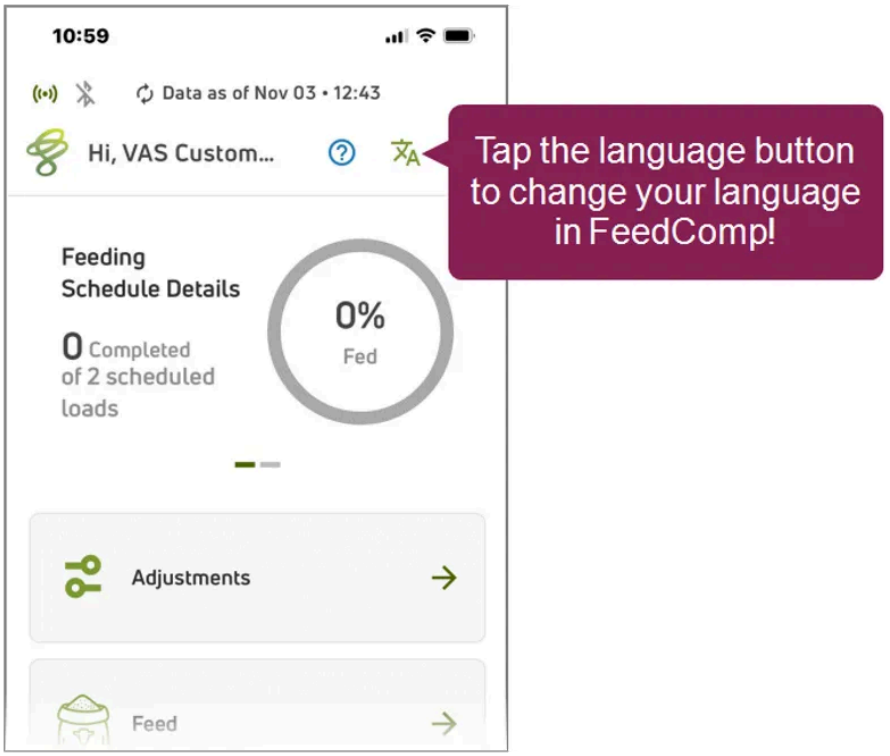
- **Error message fix**: Inaccurate error messages no longer pop up when you create a new ingredient or recipe.

FeedComp Release v1.4.3027 - November 2025

NEW FEATURE You can now use the FeedComp mobile app in your preferred language: This update adds multilingual support across the app interface, making it easier to navigate and interact with FeedComp in different languages. To change your language, tap the language icon at the top right of any main screen or go to Account Settings.

Supported Languages: English, Spanish, French, Italian, German, Polish, Russian, Chinese, Japanese, and Portuguese



Bug Fixes

App stability improvements: We’ve made several behind-the-scenes improvements to increase overall app stability. This update also resolves refresh and crash issues in both online and offline modes.

Report fixes: Navigation buttons in reports are now correctly disabled when no additional data is available.

Metric unit conversion corrections: Metric unit conversions are now calculated more accurately throughout the app.

FeedComp Release v1.4.2996 - October 2025

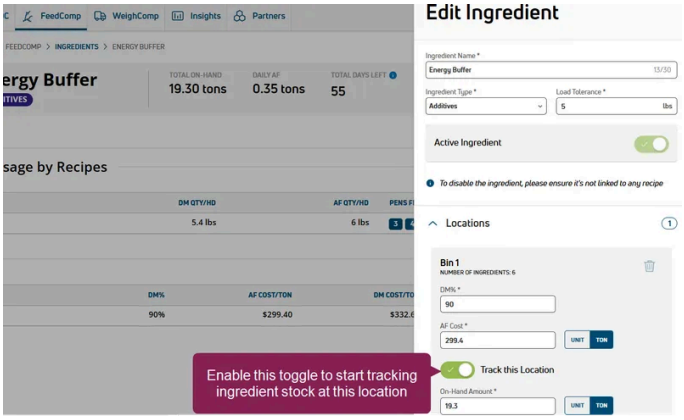
Bug Fixes

- **Login and PIN Code stability improvements**: You can now log in and enter your PIN code without errors or interruptions.
- **Button UI corrections**: Several button-related issues in the user interface were fixed. For example, the On Hold button now functions as expected during the feeding process.
- **Error handling improvements**: We’ve fine-tuned how error messages display so they show up correctly every time.
- **Overnight Load refinements**: We improved the overall functionality of Overnight Loads. Now ingredients and split feedings are listed correctly and the recipe's ingredient order is accurately followed.

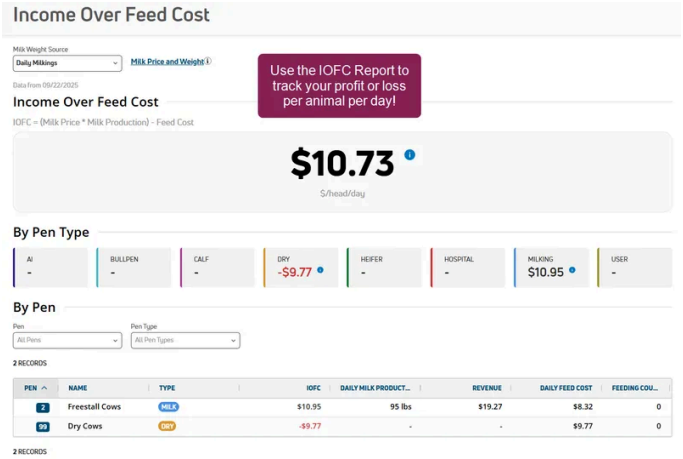
FeedComp Release v1.4.2950 - October 2025

Enhancements & Bug Fixes

NEW FEATURE **Track your inventory in PULSE!** You can now monitor your inventory transactions at tracked ingredient locations. Whenever an ingredient is delivered, picked up, or adjusted in a tracked location, FeedComp updates your inventory to ensure your stock is always accurate and up-to-date. You can enable ingredient tracking when you add or edit an ingredient: click the **Track this Location** toggle to track the ingredient in a chosen location. See Track Ingredients at a Location to learn more!



NEW FEATURE **The Income Over Feed Cost Report tracks your profit or loss per animal per day.** Use the Income Over Feed Cost report to see profit or loss per animal per day ($/head/day). This helps you spot costly pens, confirm ration changes with your nutritionist, and adjust milk price assumptions. See Income Over Feed Cost Report to learn more!



- **Ingredient usage history fix**: FeedComp now correctly tracks the usage history for premix ingredients.
- **Completed loads update**: FeedComp now marks loads as **Complete** after loading is done. Before you manually set a feeding to **Complete**, make sure you sync your data. Some feedings may appear **Incomplete** until the data is fully synced.

Updated Help Topic: Split Feeding Rules and Guidelines

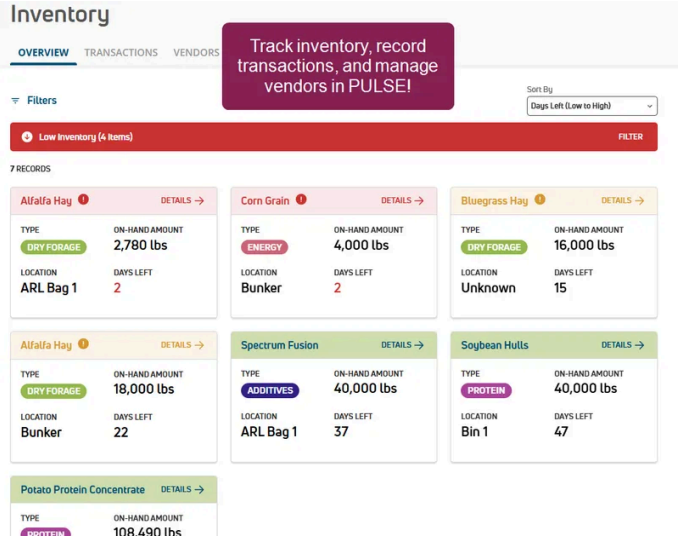
We added some new guidelines to help guide you through different and complex split feeding scenarios. See the new FeedComp **Rules for Handling Splits** section in Adjust Feedings (mobile) or Feedings (web) to learn more!

FeedComp Release v1.4.2851 - September 2025

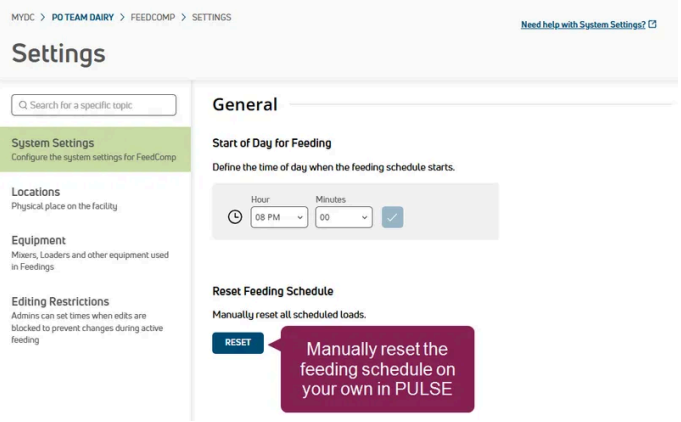
Enhancements & Bug Fixes

ENHANCEMENT **Track and manage your Inventory in PULSE!** Keep your feed operations running smoothly using FeedComp's inventory management tools that are already available in the mobile app! Now, you can monitor ingredient stock, costs, and usage in real time, track ingredients from delivery to pickup, record all inventory transactions, and manage your vendors in PULSE. See Inventory to learn more.

NEW FEATURE WEB ONLY **Reset your Feeding Schedule in PULSE!** After you have completed the day's feedings, you can now manually reset the schedule without having to contact Support. For example, if you need to complete an after-hours feeding before the next day, you can reset your feeding schedule and complete the feeding on your own. To learn more about resetting the feeding schedule, see Reset Feeding Schedule.



NEW FEATURE **Target DM/HD syncs across feedings and pens.** When you update Target DM/HD in a pen, the change is automatically synced to a pen and vice versa. You no longer have to manually change DM/HD in both pens and feedings, which saves time and ensures that your data is always up-to-date.



- **Ingredient load order improvement**: FeedComp now maintains your ingredient sequence when you edit a recipe.
- **Hold button usability**: We updated the pause and play buttons to make them more clear and easier to use.
- **Cost Unit display**: Cost Unit displays now update correctly after switching locations and entering DM%.
- **Multi-database loading support**: Loads are now shown only for the selected dairy database, ensuring accurate totals on the main screen.
- **Pen drop order improvement**: When you drop a mix to multiple pens, FeedComp now maintains your pen order.
- **Feeding record accuracy**: Feeding history records, feed reports, and the feeding schedule now display only the most accurate and up-to-date information for improved clarity and reliability.

FeedComp Release v1.4.2798 - August 2025

Enhancements & Bug Fixes

NEW FEATURE **Manage Split Feedings!** FeedComp now automatically splits feedings when a recipe load exceeds the mixer capacity. FeedComp can split feedings when adding/editing feedings or when changing pen/feeding counts, and you can save or cancel the changes before feeding starts. FeedComp divides the load into equal parts, recalculates ingredients, and updates pen counts for you. By removing the need for feeders to calculate splits manually, this feature reduces errors, improves efficiency, and helps protect equipment from overload.

To learn more about managing split feedings in the mobile app or in PULSE, see Split Feedings (mobile) and Split Feedings (web).

- **Duplicate record fix**: The Load and Drop History reports no longer include duplicate records.
- **Edit Feeding fix**: FeedComp no longer displays an error message when you edit a feeding in specific situations. Sometimes, an error message was displayed if you tried to edit a feeding after creating it or if you edited a feeding, then changed the recipe to a premix.
- **Offline sync update**: FeedComp now correctly saves feeding history information during the offline sync process.
- **Weighback report fix**: The report for Weighback Filler Load feedings now shows the correct values for weighback ingredients.
- **Time and Date format update**: The app's Time and Date format now matches the format you choose in PULSE.

FeedComp Release v1.4.2734 - July 2025

Enhancements

NEW FEATURE **Manage Weighbacks in PULSE!** Weighbacks are now available in FeedComp on PULSE, in addition to the FeedComp App. Feed left over from a prior feeding is called a "weighback" in FeedComp. Weighbacks may also be called "refusals" or "cleanups." FeedComp allows you to capture weighbacks so that the leftover feed can be fed to animals in other pens or locations, included as a filler load in a recipe, or sold off farm.

See Weighbacks (web) to learn more about managing weighbacks in PULSE and Weighbacks (mobile) to learn more about managing weighbacks on the mobile app.

FeedComp Release v1.4.2734 - July 2025

Enhancements & Bug Fixes

- MOBILE ONLY **Equipment use fix:** You can now use your equipment for overnight feedings and non-overnight feedings without seeing an error message that the equipment is already in use.
- **Configure Scale-Tec POINT scales to ensure data syncs correctly:** To ensure that your Scale-Tec POINT scale collects and shares data with the FeedComp App, you need to configure the scale when you first connect it. See Scales to learn more.

FeedComp Release v1.4.2703 - July 2025

Bug Fixes

MOBILE ONLY **First ingredient value fix:** FeedComp now shows the correct values when you load your first ingredient.

FeedComp Release v1.4.2675 - July 2025

Enhancements & Bug Fixes

NEW FEATURE MOBILE ONLY **Overnight Loads are now available on the FeedComp App!** You can now mix loads overnight! Overnight loads optimize morning feeding routines by allowing feeding technicians to mix a feed recipe the night before, pause the feeding and store the mix in the equipment overnight, and resume the feeding the next morning. See Mix Overnight Loads to learn more.

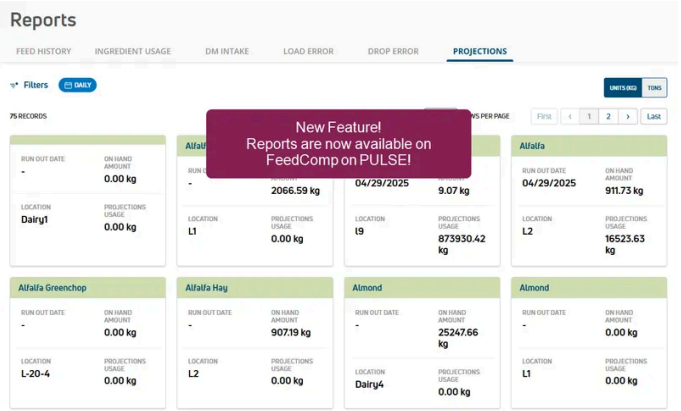
NEW FEATURE WEB ONLY **More reporting is available in FeedComp on PULSE!** You can now view and analyze your Feed and Pen Feed History in FeedComp on PULSE! The reports organize the data that you collect in the FeedComp App and FeedComp on PULSE to provide insights that help you make better, informed decisions about your feeding practices! Click the links to learn more about each report: Feed History Report and Pen Feed History Reports.

- **Weighback calculation fix**: The Weighbacks pick up screen now displays the correct ingredient amounts.
- **Error message fix**: FeedComp now displays an error message if you enter an invalid value on a metric farm.
- **Alternate Recipe messaging updates**: The FeedComp App now displays a message indicating that an alternate recipe has been successfully activated or deactivated, or to confirm that you want to activate a recipe.
- **Autofill ingredient names fix**: FeedComp now saves ingredient names that have been selected from the autofill library.
- **Weighbacks feeding fix**: FeedComp now correctly displays feedings in offline mode for Weighbacks with filler loads.
- **Ignore button fix**: The **Ignore** button is now visible for all feeding drops.
- **Filler Load calculation fix**: FeedComp now calculates Filler Loads' Feed DM Total for multiple pens correctly.

FeedComp Release v1.4.2573 - June 2025

Enhancements & Bug Fixes

WEB ONLY **Reporting is now available in FeedComp on PULSE!** You can now view and analyze your feed data in FeedComp on PULSE reports! The reports organize the data that you collect in the FeedComp App and FeedComp on PULSE to provide insights that help you make better, informed decisions about your feeding practices! Click the links to learn more about each report: Ingredient Usage Report, DM Intake Report, Load Error Report, Drop Error Report, and Projections Report.



- **Adjust Heifer pen type**: To sync properly with DC305, the app now correctly assigns pen type 7 to Heifer pens and reserves pen type 6 for user-defined pen types. All farms currently feeding heifer pens should update to the new version of the app as soon as possible. The former version is not compatible with this change.
- **Authentication bug fixes**: You can now log in without encountering authentication errors.
- **Projections report update**: The Projections report now correctly displays On Hand Amount values for all records.
- **Filler load calculation fix**: Filler load values are now accurately calculated and displayed when creating a feeding.

- **Pen number limit update**: FeedComp now correctly enforces the allowed range of pen numbers when entering feed data.
- **Self-referencing premix update**: Premixes are now prevented from being reused as ingredients, ensuring valid recipe configurations.
- **Feed mix reset fix**: Feed mix records now update and reset properly when processing a feeding.
- **Last Pen Drop Amount update**: The Last Pen Drop Amount now matches consistently in the Report Card and Feed History report.
- **Measurement conversion fix**: The Ingredient Usage report now accurately converts values from Imperial units to Metric units.
- **Ingredient location fix**: Ingredient location values are now saved and displayed consistently in FeedComp.
- **Feed Mix Name update**: FeedComp now saves updated Mix Names while using the app in online mode.
- **Feed Date addition**: FeedComp now automatically records the Feed Date for all Feed History records.
- **Start Weight and End Weight entry fix**: Decimal values are now supported when entering Start Weight and End Weight for new transactions.

FeedComp Release v1.4.2543 - May 2025

Enhancements & Bug Fixes

- **You can now assign Alternate Recipes!** FeedComp now supports Alternate Recipes in the mobile app and in PULSE. If your dairy runs out of an ingredient, your feeding technician can select an alternate recipe to keep your herd fed until the ingredient is restocked. An alternate recipe can be used to add weighback ingredients to a feed mix and help you reduce waste. See Assign Alternate Recipes to learn more.
- **FeedComp on PULSE now prevents duplicate equipment names**: If you create a duplicate equipment name, the app now shows an error message and prevents you from saving a duplicate.
- **Fixed load and drop error calculation in reports**: Previously, if you advanced multiple ingredients or drops, the FeedComp App may have incorrectly calculated the load error calculation and the drop error calculation. This issue has been resolved.
- **The FeedComp App Schedule Mix cards now show Mix Total and Pen Count labels and values**: Previously, the Schedule Mix cards did not correctly include the Mix Total or Pen Count information.
- **Fixed the user interface for deactivating pens**: We improved the app's messaging and usability when you deactivate a pen.
- **The FeedComp App now correctly processes ingredient order changes if weighbacks are included**: Previously, the FeedComp App would not save ingredient order changes in some instances, like if the recipe included a weighback.
- **The Bluetooth connection status is now accurate on the Weighbacks screen**: Previously, if you closed and reopened the FeedComp App, then navigated to the Weighbacks screen, the app showed that the Bluetooth connection was active. However, the app showed that the **Save and start loading** button was disabled. Now, the app correctly shows you when Bluetooth is not connected.
- **The FeedComp App now displays Feeding History correctly if you have empty pens**: Previously, the FeedComp App would not generate the Feeding History report if the dairy had more than two empty pens.
- **The FeedComp App now shows weighbacks with filler loads in offline mode**: When you enable offline mode and view Weighbacks, the app now shows filler loads correctly.
- **Corrected the font appearance in various places**: Fixed font size and font text color across FeedComp on PULSE.

FeedComp Release v1.4.2513 - May 2025

Enhancements & Bug Fixes

- WEB ONLY **Manage** FeedComp **in PULSE**: You can now manage some of your FeedComp settings directly in PULSE! Click the links below to learn more about managing the FeedComp Settings pages for your system settings, locations, and equipment:
  - See System Settings to learn more about the system settings you can manage.
  - See Locations to learn how to create or edit a location, view ingredients at each location, and more!
  - See Equipment to learn more about adding or editing equipment.
- MOBILE ONLY **Add audio alerts for your drops in the FeedComp App**: The FeedComp App now includes an option to play a warning sound when your equipment is almost done loading or dropping feed. This audio cue helps the operator accurately finish the drop without needing to check the screen, which improves efficiency and focus during feeding! See Enable Sounds to learn more!
- **Fixed a measurement issue**: We fixed an issue where user profile and dairy settings were not set to the same measurement system before ingredients were added.
- **The FeedComp App now correctly shows AF and DM/HD**: We resolved an issue where pen screens did not list the correct values for AF Amount or DM/HD in the FeedComp App.
- **Feed mix pens are now visible in the FeedComp App**: We fixed an issue where Feed Mix pens were not shown correctly in the FeedComp App.
- **Recipe changes completed in Feeding Mode are now shown correctly in PULSE**: Previously, recipes created in Feeding Mode in the FeedComp App were not shown correctly in FeedComp on PULSE. The issue has been resolved.

FeedComp Release v1.4.2342 - March 2025

Enhancements & Bug Fixes

- Set a weight acknowledgment threshold when setting up your mixing equipment! This ensures that ingredients are recorded correctly when their amounts are too small to be recognized by the scale while mixing. To set the threshold, see Create New Equipment and Edit Equipment.
- Skip or ignore a pen while feeding! When you tap **Skip**, the ingredient or pen is temporarily skipped and moved to the end of the order so you can return to it later. When you tap **Ignore**, the ingredient or pen is skipped and removed from the order entirely. See Mix Scheduled Feedings for more information.
- View all upcoming feedings, ingredient loads, and pen drops at any time—even if today's feedings are complete. See View Upcoming Feedings to learn more!
- FeedComp can now play helpful sounds when while adding ingredients to the mixer or dropping loads at pens. See Enable Sounds to learn more!
- We have made numerous improvements to the app's display. The app now uses bigger, easier-to-read text, displays improved icons and buttons, and better supports multiple screen sizes.
- FeedComp now allows you to capture weighbacks so that the leftover feed can be fed to animals in other pens or locations, included as a filler load in a recipe, or sold off farm. See Weighbacks to get started!
- You can now view the unit of measurement used in FeedComp. Open your User Account, then tap **Settings** to check whether your account uses the Imperial System or Metric System. You can update your measurement preference directly in Platform. See View Measurement Setting to learn more.

4. FeedComp Installation

If you are new to FeedComp, we understand that you want to get the app into the tractor and start feeding as soon as you can. To ensure your first feeding is successful and to be up and running as quickly as possible, it is essential to follow the installation steps on this page in the order they are presented.

Before You Begin

Before starting the hands-on installation process, the following two prerequisites must be completed:

- **Prequalification Survey:** Confirms your farm's infrastructure is ready for FeedComp. It ensures that your current feeding equipment, such as mixer types and scale head units, meets the necessary technical requirements for a digital integration. After you complete the survey, VAS representatives will assess your equipment and work with you to order any additional hardware needed.
- **Feed Data Sheet:** Acts as the blueprint for feed setup, providing VAS with the technical details needed to build your database in PULSE. The Feed Data Sheet captures data such as user permissions and mobile device integrations, as well as equipment settings like scale types and load tolerances.

IMPORTANT: Once you submit your Feed Data Sheet, the VAS Support team begins configuring your feed management system in PULSE. While our team handles the backend setup, you should proceed with the following steps to prepare your hardware and mobile devices.

The Success Path

To guarantee a smooth transition to your first feeding, please complete these steps in order:

1. Perform Pre-Installation Checks**:** Verify your hardware compatibility and connectivity to avoid "showstoppers" on day one.
2. Watch for Common Issues Review real-world scenarios that can jeopardize feeding readiness.
3. Install the FeedComp App**:** Initialize your mobile device and choose whether the device is for feeding. Many of the remaining setup steps can be done on both the mobile app and on PULSE.
4. Configure Mobile App Settings**:** Set your language and toggle features like Overnight Loads.
5. Configure and Connect the Scale**:** Pair your mobile device with your scale via Bluetooth.

💡 **TIP:** To understand the different types of Bluetooth pairing used in FeedComp — including pairing two mobile devices for Loader View — see Bluetooth Pairing in FeedComp.

💡 **Going on-site?** Consider printing the Pre-Installation Checklist and Final Checks for a Successful First Feeding pages to have on hand during your install.

4.1. Pre-Installation Checklist

While our support team configures your feed database in VAS PULSE Platform, use this checklist to prepare for your FeedComp install. Completing these checks now ensures that your install won't be delayed by hardware gaps, connectivity issues or missing credentials.

> 💡 **TIP: Print this Page!**
>
> If you'll be completing these steps on-site without easy access to a browser, consider printing this page beforehand. A printed copy makes it easier to follow along and check off items as you go.

Team Prep and Credentials

- [ ] **Email Management:** Confirm every feeder, manager, and nutritionist (those you would like to access FeedComp) has their own email address and that they are set as a FeedComp user in PULSE. Provide a list of non-PULSE users to the install tech if your data sheet has already been submitted.

  > 🗒️ **NOTE:** Email addresses per feeder are only needed once to connect them to Pulse if users won't log in individually. A shared email can be kept in the tractor cab so anyone can log in using it with their own PIN.

  Steps to verify user status in PULSE (Owner level is required).

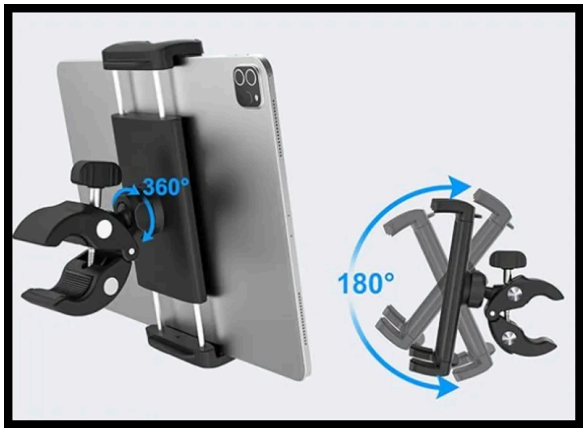
  1. Login to **VAS PULSE Platform**.
  2. Click on the **Dairy** tab.
  3. Click on **User Management.**
  4. Click on **Users.**

  > ⚠️ **IMPORTANT:** New users should be listed under **Users**, not Access Pending. If a user is still listed under Access Pending, they have not accepted the invitation sent to their email.

- [ ] **Training:** Ensure all feeders have reviewed the FeedComp training materials:Your First Feeding (Mobile App) and FeedComp Training.
- [ ] **Scheduling:** Schedule your install date when feeders are available and allow for additional time that day.

Recommended Hardware and Devices

- [ ] New mobile devices (Android or iOS) to run FeedComp if needed. See the link below for required device specifications.
- [ ] Backup mobile device *(recommended)*.
- [ ] Mounting brackets (holders) for the mobile device in each mixer and loader.



- [ ] Charging cables for each mobile device to use in the mixer as devices may lose their charge during the feeding.

> ⚠️ **IMPORTANT:** Review required device specifications: https://vas.com/technology-specifications/#FeedComp

Preparing Feeding Devices

App Downloads

Search the Google Play store (Android devices) or the App Store (iOS devices) to download apps.

- [ ] Download FeedComp on each device.
- [ ] Download the app associated with your scale indicator on the primary device for each mixer. This will be used to adjust scale settings. For example, POINT scales use the Scale-Tec POINT app.
- [ ] Download TeamViewer Quick Support on each device. Include the TeamViewer Add-on when prompted on an Android device.

Enable FeedComp auto update

- [ ] **Android**: Open the Google Play Store, search for FeedComp, tap on the FeedComp app icon, then tap the three-dot menu in the top-right corner to enable auto updates.
- [ ] **iOS**: Go to Settings, scroll down and tap App Store, then select Automatic Downloads to turn on App Updates (green).

> ⚠️ **IMPORTANT:**
>
> - For best auto update chances:
> - Devices need adequate charge to update.
> - Devices need to be connected to internet (wi-fi or cellular data)
> - For iOS devices:
> - You cannot enable auto-updates for a single app.
> - When App Updates are turned on, all installed apps update automatically.
> - iOS may also delay auto updates.

Device Settings

- [ ] Set your device's screen timeout to the maximum amount.
  - [ ] **Android:** Go to Settings > Display > Screen Timeout and set to the maximum value.

- [ ] **iOS**: Go to Settings > Display & Brightness and select the maximum timeout setting in Auto-Lock.
- [ ] Check for OS updates.
  - [ ] **Android:** Go to Settings > Software Updates > Check for new update.
  - [ ] **iOS**: Go to Settings > General > Software Updates.
- [ ] Set automatic OS updates times.
  - [ ] **Androids**: Go to Settings > Software Updates > System Update Preferences > Preferred Update time and select a **non-feeding time.**
  - [ ] **iOS**: Turn off auto-updates as iOS typically auto-updates during early morning hours and does not allow for scheduling.

Power Strategy

- [ ] Confirm your charging location has internet access.
- [ ] Confirm all devices are fully charged ahead of your installation.

🗒️ **NOTE:** Low battery levels and power saving modes can impact app performance.

Scale and Hardware Verification

NOTE: These verifications are shared to help prevent unexpected situations that may delay the next feeding. If replacing the current scale, plan to start the process immediately after the last feeding to allow extra time.

Wiring Audit

- [ ] If removing the current scale, are the current wire connections easily removeable? If not, please contact your install technician if you expect delays.
- [ ] Do new wires need to be run to the weigh bars? If yes, please contact your install technician if you expect delays.
- [ ] For new scale installations, ensure existing connections are compatible prior to removing the old scale on the scheduled installation day.

Scale-Tec POINT Scales

- [ ] If using a previously owned POINT scale, ensure old devices are unlinked. Call POINT support to deactivate the previous device.
- [ ] See Scale-Tec POINT Scale for steps to configure and connect.
- [ ] Verify count values are set to 1 to prevent data errors.
- [ ] Use the Scale-Tec POINT app to check for any firmware updates and calibrate the scale (the device must be connected via Bluetooth to the scale).

Topcon Digi-Star Scales

- [ ] See Topcon Digi-Star Scale for steps to configure and connect.

Feedings Settings

- [ ] **Feeding Reset Window:** Confirm no feedings occur during the automatic schedule reset, which is set to midnight by default. See Feeding Schedule Reset to learn more. Contact your install technician if there is a timing conflict.
- [ ] **Recipe Audit:** Adjust for any recipe changes made after the Feed Data Sheet was submitted to VAS.

⚠️ **IMPORTANT:** Review Final Checks for a Successful First Feeding list before your Go-Live date.

4.2. Install the FeedComp App

The FeedComp app is available for both Android and iOS.

GET IT ON Google Play | Download on the App Store

The first time you log in to the app, FeedComp asks if you are using your device for feeding, and the login process differs based on your selection.

- **What happens if I choose Yes, it is for Feeding?**
- **What happens if I choose No, it's not for Feeding?**

The FeedComp app will remember your choice, and you will not be asked again the next time you log in. If you change your mind about using a device for feeding, log out of the app and select **Yes** or **No** when asked if the device will be used for feeding.

4.3. Configure Mobile App Settings

Tap **Home** to navigate to the home page no matter where you are in the app. From the Home page, you can complete the tasks below.

- FeedComp App Auto-Update
- Select a Language
- Adjust Settings
- Refresh Data
- Log Out or Switch User

4.3.1. FeedComp App Auto-Update

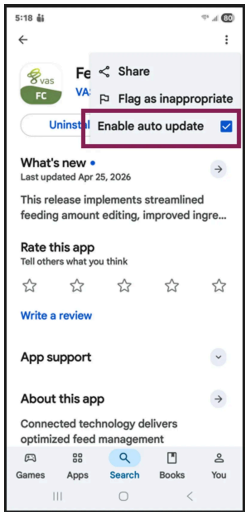
Follow the steps below to enable automatic updates on supported mobile devices so the FeedComp app updates automatically without manual intervention.

🗒️**NOTE:** Steps and setting options may vary slightly depending on your device and operating system version.

⚠️ **IMPORTANT:** Enable auto-updates for the FeedComp app to stay current. However, set your device's operating system (OS) updates to install only during non-feeding hours (overnight). An OS update that triggers during feeding can force-close the app and interrupt your load.

Android Devices

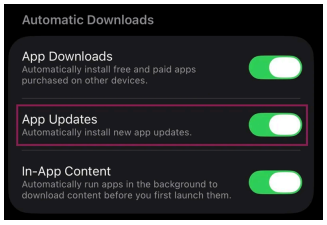
1. Open the **Google Play Store**.
2. Search for FeedComp.
3. Tap the FeedComp app icon.
4. Tap the **three-dot menu** in the top-right corner.
5. Select **Enable auto update**.



iOS (iPhone/iPad) Devices

1. Open the **Settings** app.
2. Scroll down and tap **App Store**.
3. Under **Automatic Downloads**, turn **App Updates ON** (green).

> **IMPORTANT:** On iOS devices, you cannot enable auto-updates for a single app. When App Updates are turned on, all installed apps update automatically.


Automatic Downloads
App Downloads
Automatically install free and paid apps purchased on other devices.
App Updates
Automatically install new app updates.
In-App Content
Automatically run apps in the background to download content before you first launch them.

4.3.2. Select a Language

At the top right of the screen, tap the language icon to select your preferred language, or tap your user icon to update user account and app settings. The app supports the following languages:

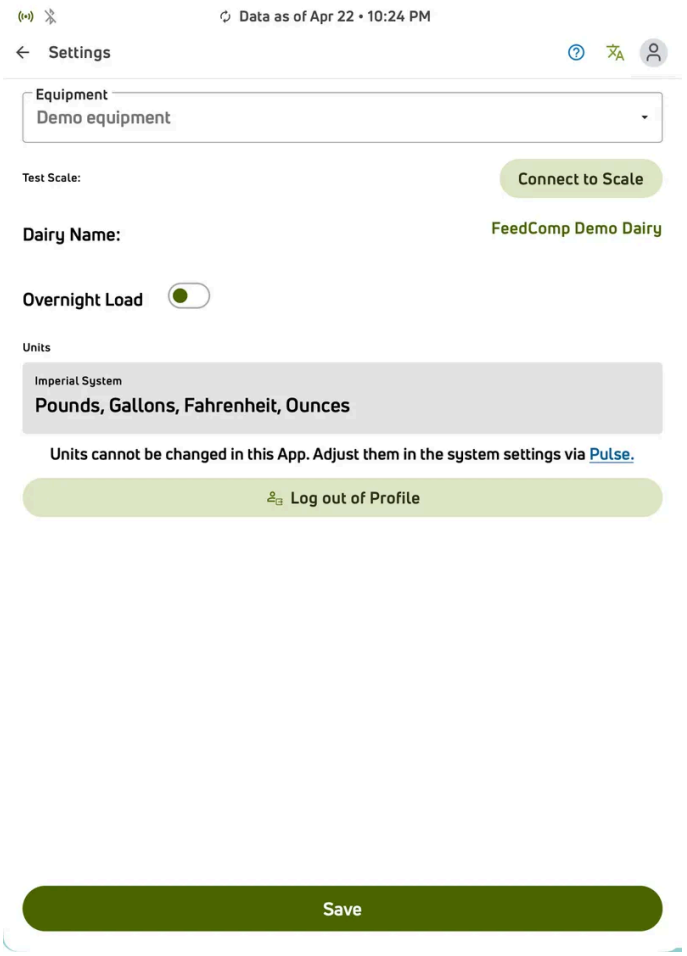
- English
- Spanish
- French
- Italian
- German
- Polish
- Russian
- Chinese
- Japanese
- Portuguese

⚠️ **IMPORTANT:** Changing the app language from English may affect scale pairing over Bluetooth. If you experience scale connection issues after switching languages, set the language back to English. Support for additional languages during scale pairing is planned for a future update.

4.3.3. Adjust Settings

To adjust settings in the mobile app, tap your user picture in the top right corner of most screens and then tap **Settings**.

Expand the sections below to learn more.



- **Choose Equipment to Connect to a Scale**
- **Switch to Another Dairy**
- **Enable Overnight Loads**
- **View Units of Measure**
- **Log out of Your User Profile**

4.3.4. Refresh Data

When the mobile app has an active WiFi or data connection, you can tap **Refresh** or swipe down on the home screen to manually refresh your FeedComp data. If you go outside of data range, the app will continue to work in offline mode. Once you are back in data range, the app automatically refreshes to include the latest updates. When your Wi-Fi or data connection is steady, the app continues to sync in the background and does not need to be manually refreshed.

Connect to Wi-Fi at least once a day. If you're feeding offline, connect before and after feeding to make sure your data is sent to PULSE and stays up-to-date.

> 🗒️**NOTE:** While FeedComp allows you to continue working in offline mode, some features in FeedComp require you to be online to see data.

4.3.5. Log Out or Switch User

Tap **Sign-Out of Device** at the bottom of the screen to log your user profile out of this device. The next person who opens FeedComp on this device will be prompted to sign in with their user profile.

> **TIP:** You can also use this feature to choose whether you want to use this device for feeding. After you sign out, you will be asked if you're using this device for feeding during your next login. See Install the FeedComp App to learn more.

4.3.6. Device Settings

⚠️ **IMPORTANT:** Do NOT lock your device while using FeedComp. Keep the app running on the screen at all times while actively feeding. Avoid closing the app or opening other apps while feeding.

Locking your device while FeedComp is running will cause it to stop working properly. When you lock your device, FeedComp is moved to the background, which causes:

- **Data sync failures**: Loading and dropping data may not sync correctly, and updates can be missed.
- **Bluetooth disconnections**: Features like Loader View require an active Bluetooth connection between the Loader and Mixer devices. Locking the screen disrupts this connection.
- **Loss of real-time status**: You will not see critical status messages (such as "Scanning," "Connecting," or "Connected") or disconnect alerts.

Android Devices (Phones and Tablets)

🗒️ **NOTE:** Steps may vary slightly depending on your device manufacturer (e.g., Samsung, Zebra, or Google Pixel).

1. Open the **Settings** app.
2. Scroll down and tap **Security** (on some devices, this may be labeled Lock screen or Security & privacy).
3. Tap **Screen lock**.
4. Enter your current PIN, pattern, or password to confirm your identity.
5. Select **None** or **Swipe**.
    - **None:** Removes all security; the screen will open immediately when you press the power button.
    - **Swipe:** Removes the passcode but requires you to swipe the screen to reach the home screen.
6. Confirm that you want to remove the device protection if prompted.

iOS Devices (iPhone and iPad)

1. Launch the **Settings** app.
2. Scroll down and tap **Face ID & Passcode** (or **Touch ID & Passcode** depending on your model).
3. Enter your current passcode.
4. Scroll down and tap **Turn Passcode Off**.
5. A confirmation prompt displays; tap **Turn Off** again.
6. You may be asked to enter your Apple ID password to confirm the change.

4.4. Configure and Connect the Scale

Setting up your feeding hardware correctly is a critical step in ensuring that your daily feeding data is accurate and that your equipment communicates seamlessly with the FeedComp App. To facilitate reliable data collection and precise loading, you must configure your scale's internal settings before pairing it with your mobile device via Bluetooth.

> **IMPORTANT:** Before configuring and connecting your scale, review the pre-installation checks for scale and hardware verification.

Follow the specific configuration and connection instructions for your scale model:

- Scale-Tec POINT Scale**:** Learn how to adjust display count settings in the Scale-Tec app to prevent incomplete feeding data and establish a connection.
- Topcon Digi-Star Scale**:** Follow detailed steps to verify required parameter values, enable Bluetooth, and calibrate your EZ2810 or EZ3410 indicator for optimal performance.

You can check the FeedComp System Requirements page on the VAS website to confirm whether your device is supported and compatible with FeedComp.

Loader View

See Set Up Loader View (BETA) for setup details.

4.4.1. Scale-Tec POINT Scale

Use these instructions to set up and connect a Scale-Tec POINT Scale to the FeedComp App.

⚠️ **IMPORTANT:** Visit the Scale-Tec Support Center for instructions on scale calibration, troubleshooting, and more. Contact Scale-Tec Support if you need more help with your scale.

Configure Scale Settings

Before you connect a Scale-Tec POINT scale to the FeedComp App, you must update the scale's display setting. If you skip this step, the scale may send invalid values to the app, which can cause incomplete feedings.

1. Open the Scale-Tec POINT scale app.
2. Select the scale device.
3. Tap **Configure Device**.
4. Tap **Adjust Individual Settings**.
5. Under Display, tap **C1: Display Count** and set the value to **1**.
6. Tap **Submit** to save your changes.

Connect a Scale to the FeedComp App

⚠️ **IMPORTANT:** Once you start an overnight load, be aware that the **equipment stays locked** to the overnight load until it's finished or cancelled. This means that you **cannot use the same equipment to complete any other feedings** until the overnight load is completed the following day. If you connect to and attempt to feed using equipment containing an overnight load, an overnight load notification with a red alert icon is displayed.

1. Tap your user icon at the top right of the screen.
2. Tap **Settings**.
3. Select the **Equipment** to connect.
4. Tap **Connect to Scale** and select the scale to connect. After a scale is connected to your mobile device, the Bluetooth icon displays at the top left of each screen in the FeedComp App.

Loader View

See Set Up Loader View (BETA) for setup details.

4.4.2. Topcon Digi-Star Scale

Use these instructions to set up and connect a Topcon Digi-Star scale to the FeedComp App. Before you begin, make sure the scale is properly connected to a mixer so it can collect the data that will be sent to FeedComp.

IMPORTANT: Before you proceed with the recommended configurations below, take a look at your Topcon Digi-Star user manual. It contains excellent visual illustrations for working with the scale, connecting cables, and navigating the menu and digital display. Most importantly, it contains instructions for working safely with the electrical equipment:

- EZ2810 Operators Manual
- EZ3410 Operators Manual

You can also view Topcon Digi-Star's troubleshooting tips if you have any issues with the scale itself: Topcon Digi-Star Scale Troubleshooting.

After reviewing the manual, follow the sections below to verify your scale and setup, configure the required scale settings, connect the scale to the FeedComp App, and calibrate the scale (if needed):

- Supported Scales
- Configure Scale Settings
- Required Scale Settings
- Connect the Scale to the Mobile Device
- Connect the Scale to the FeedComp App
- Calibrate the Scale
- Check the Scale Setup Number

First Time Working with Scales? Check here before proceeding.

Supported Scales

- Topcon Digi-Star scale indicator (EZ2810 and EZ3410). Make sure the scale is Bluetooth-compatible (marked by a on the lower left corner of the scale).
- If you use Trioliet Shifttronic products with your scale, contact FeedCompSupport at fwsupport@vas.com or 888-225-6753 to ensure that you apply the correct settings for your configuration.

Configure Scale Settings

Use the steps below to review or configure the settings on your scale to match the Required Scale Settings. Correct scale settings are critical for reliable communication between the FeedComp App and your scale. If the required settings are not configured correctly, the scale and app can fall out of sync, especially during pause and resume actions. This can cause the scale to remain in HOLD, prevent weights from updating correctly, or result in missed weight during feeding.

NOTE: If you have an indicator with a number pad, you can manually enter each Direct Access Number (DAN#) for each parameter in Required Scale Settings, then review or configure each setting.

1. On your Topcon Digi-Star scale, press **Select** repeatedly until the **Menu** is displayed.

2. Press and hold **Function** until you see the menu choices.
3. Repeatedly press **Select** to select Menu 1, 2, 3, 4, or 5.
4. Press **Enter** to view the first setting name. Pay close attention: the setting name only displays once.
5. Check whether the setting is configured to the value listed in Required Scale Settings:
   1. If the setting is not configured correctly, press **Net/Gross** or **Select** to scroll through the options and press **Enter** to select the correct value. The screen automatically displays the next setting.
   2. If the setting is configured correctly, press **Enter** to review the next setting.
6. Repeat the steps to review or configure each setting in each menu.

Required Scale Settings

Menu 1

Parameter Name	DAN#	Parameter Value
Scale ID Setup (SCALID)	1003	TMR-01
Display Unit (LB-KG)	1008	LB or KG
Remote Input (RMINP)	1401	Do not set to HOLD.
Remote Input 2 (RMINP2)	1411	PRINT. Do not set to HOLD.

Menu 2

Parameter Name	DAN#	Parameter Value
Remote (REMOTE)	2001	ON
Scoreboard Mode (SCOREM)	2101	12
Front Panel Zerout (ZEROFP)	2103	OFF
Scoreboard Mode 2 (SCRM2)	2104	0 (Trioliet 11)
Operation Status (OPSTAT)	2111	0
Tare Auto Print (TAREAP)	2301	ON
One Line Print (ILPRT)	2302	ON
Print Format (PRTFMT)	2304	PRTAC1
Remote Display (RMDISP)	2401	EZ3MUX
Remote Terminal (RMTERM)	2402	OFF
Auto Detect Remote Display (AUTODRD)	2403	ON
Bar Graph Mode (BARGRP)	2411	OFF
Weight Graph (WTGRPH)	2412	ON
Non-Digi-Star Display (NONDSP)	2417	OFF

Menu 3

Parameter Name	DAN#	Parameter Value	Note
Display Count (COUNT)	3001	Preferred Value (.01, .02, .05, .1, .2, .5, 1, 2, 5, 10, 20, 50, or 100)	Only set this value if you need to change how the scale increments are displayed. The scale also uses this value to round the preset amount. This setting cannot be changed in the app. The Topcon Display Text Count setting in the FeedComp App overrides this value. See Configure the Topcon Display Text Count to verify the app setting.
Motion (MOTION)	3101	0 (OFF)	—

Menu 4

Parameter Name	DAN#	Parameter Value	Note
Pre-Alarm Method (PMTHD)	4001	WEIGHT	—
Pre-Alarm (P-ALM)	4002	Preferred Value	If you set this value, a warning is activated when the indicator approaches this value. For example, if you set the value to 50 (lbs/kgs), a warning alerts you when 50 (lbs/kgs) are set to be loaded or unloaded.
Preset Daily (PRTDLY)	4006	1	—
Preset Clear on Print (PRCLPT)	4009	ON	—
Weight Toggle (WEITOG)	4012	OFF	This setting hides the preset message display after 10% of the target weight has been loaded or unloaded.
Tolerance Method (TMTHD)	4201	WEIGHT	If the scale tolerance is 0, the value can be either WEIGHT or PERCENT.
Tolerance (TOLER)	4202	0	—

Menu 5

Parameter Name	DAN#	Parameter Value
Remote Display (RMDPPT)	5001	COM3
Radio Port (RADPRT)	5002	COM3
External Radio Port (EXRPRT)	5003	COM2
Printer Port (PRPORT)	5005	COM3
Scoreboard Port (SCPORT)	5006	COM3
Opstat Port (OPSTAT)	5007	COM1
DDL Port (DDLPRT)	5009	COM2
20MA Mirror Port (20MAMR)	5011	COM1
Scoreboard 2 Port (SCR2PRT)	5015	COM2 (Trioliet 1)
Bluetooth Port (BLPORT)	5016	COM3
Remote Display Port 2 (RMD2PT)	5018	COM3

Menu 6

Parameter Name	DAN#	Parameter Value
Auto Print (AUTO PRINT)	6231	OFF

Connect the Scale to the Mobile Device

After you verify the scale settings, connect the scale to your mobile device via Bluetooth:

1. On the scale, enter **90022** and press **Select**.
2. If the display shows an error message, press the **Zero** button four times, then press **ON**. The keypad shows the current Bluetooth setting as ON or OFF.
3. If Bluetooth is **OFF**, press the **Function** button to select **ON**, then **Enter** to save the setting.
4. Open your mobile device's Bluetooth settings.
5. Connect to the scale.
6. After it is connected, shut down the app completely and make sure it is cleared from your list of background apps.

Connect the Scale to the FeedComp App

1. In the FeedComp App, tap your user icon at the top right of the screen.
2. Tap **Settings**.
3. Select the **Equipment** to connect.
4. Tap **Connect to Scale** and select the scale to connect. After a scale is connected to your mobile device, the Bluetooth icon displays at the top left of each screen in the FeedComp App.

Loader View

See Set Up Loader View (BETA) for setup details.

Configure the Topcon Display Text Count

After connecting the scale to the FeedComp App, verify the **Topcon Display Text Count** setting. This setting controls how many times ingredient text scrolls on the scale's display before the weight is shown. If this value is set higher than **1**, the display scrolls through the ingredient name multiple times before showing the weight, which can make it appear as though the scale is stuck or not updating.

> ⚠️ **IMPORTANT:** This setting is in the FeedComp App, not on the physical scale. It **overrides** any display parameter configured directly on the scale. Even if your scale is configured correctly, an incorrect value here will change the display behavior.

1. In the FeedComp App, tap your user icon at the top right of the screen.
2. Tap **Settings**.
3. Locate the **Topcon Display Text Count** setting.
4. Verify the value is set to **1**.

   If the value is not **1**, tap the dropdown, select **1**, and tap **Save**.

> 💡 **TIP:** If your scale display keeps scrolling ingredient names and does not show the weight, check this setting first. A value higher than 1 causes the display to scroll the ingredient text that many times before showing the weight.

Calibrate the Scale

If you are using a brand new mixer, calibrate the scale to ensure weight measurements are accurate and that ingredients are loaded correctly during feeding. To learn how to calibrate the scale or follow the instructions below or watch Topcon Digi-Star's video:

IMPORTANT:

- Before calibration, ensure that the mixer is empty and parked on a level surface.
- To perform the steps, a known weight needs to be used. Do not proceed with known weight calibration unless you have a known weight product that can be used during the calibration process (the more weight, the better).

Calculations Used in Calibration

$$\frac{\text{Known Weight}}{\text{Scale Weight}} = \textbf{Weight Factor}$$

$$\text{Weight Factor} \times \text{Current Calibration Number} = \textbf{New Calibration Number}$$

Calibrate the Scale

1. Set the Topcon Digi-Star scale to zero.
2. Put the **Known Weight** product into the mixer.
   - Example: 5,280 lbs
3. Record the **Scale Weight** shown on the scale indicator.
   - Example: 2,200 lbs
4. Calculate the **Weight Factor** by dividing the Known Weight by the Scale Weight. Record this number.
   - Example: 5,280 / 2,200 = 2.4
5. Press **Select** until you see Setup, then press **Function** until you see SETUP.
6. The scale displays the Setup Number. Do NOT change anything, just press the **ON** button once.
7. The scale displays the **Current Calibration Number**. Record this number.
   - Example: 16,000
8. Calculate the **New Calibration Number** by multiplying the Weight Factor (per Step 4) by the Current Calibration Number (per Step 7).
   - Example: 2.4 x 16,000 = 38,400
9. Type in the **New Calibration Number**, then press **ON** to save your changes.

Check the Scale Setup Number

1. Power on the Topcon Digi-Star's indicator.
2. Press the **Select** button until the screen displays SETUP.
3. Quickly press and hold the **Function** button until the scale's 6-digit **Setup Number** is displayed.
4. If you need to change the Setup Number, enter the new number using the keypad, then press **ON** to save your changes. The screen then displays "CAL" followed by the scale's 5-digit Calibration Number.
5. Press **ON** to return to the gross weight.

4.4.3. Scale Troubleshooting

Use this section to identify and resolve common scale connection issues. For all other FeedComp troubleshooting tips, see FeedComp Troubleshooting.

- **Device does not connect to scale**
- **Scale connection drops if tablet auto-connects to WiFi**
- **Need to re-enter mixer/scale settings in app before feeding**
- **Scale weight is reading zero and Bluetooth is connected**
- **Scale is stuck in "On Hold" mode**
- **"Bouncing" weights and premature auto-advance**
- **How to download a log file**

4.5. Bluetooth Pairing in FeedComp

FeedComp uses Bluetooth to connect devices in two different ways, depending on the feature you're setting up. Understanding the difference helps you follow the correct setup steps and avoid connection issues.

	Loader View	Scale Connection
What Pairs	A mobile device pairs to another mobile device	A scale pairs to a mobile device
Why	So the loader operator can monitor and manage loading from a second phone or tablet	So the FeedComp app can receive live weight data from the scale
Where you pair	In your device's Bluetooth settings (Android or iOS)	In your device's Bluetooth settings (Topcon Digi-Star) or directly through the scale app (Scale-Tec POINT)
Where you connect in FeedComp	**Feed** > **Loader View**	**Settings** > **Connect to Scale**

Pairing for Scale Connection (Scale to App)

Scale Connection pairs a **physical scale** to the FeedComp app on your mobile device via Bluetooth. This is how the app receives real-time weight data during feedings.

The pairing steps depend on your scale model:

- **Scale-Tec POINT** — Configure the scale's display settings in the Scale-Tec POINT app, then connect to the scale in FeedComp under **Settings** > **Connect to Scale**. See Scale-Tec POINT Scale to learn more.
- **Topcon Digi-Star** — Enable Bluetooth on the scale indicator, pair the scale in your mobile device's **Bluetooth settings**, then connect in FeedComp under **Settings** > **Connect to Scale**. See Topcon Digi-Star Scale to learn more.

For an overview of scale setup, including pre-installation checks, see Configure and Connect the Scale.

⚠️ **IMPORTANT: Before pairing Loader View:**

- The mixer device must be paired to the scale.
- A load must be started in FeedComp.

Pairing for Loader View (Device to Device)

Loader View requires **two mobile devices** — a mixer device and a loader device — paired to each other via Bluetooth.

- The **mixer device** is the primary phone or tablet mounted near the mixer, connected to the scale.
- The **loader device** is a second phone or tablet carried by the loader operator.

To use Loader View, first pair the two devices together in your device's **Bluetooth settings**, then connect them within FeedComp by going to **Feed** > **Loader View**.

💡 **TIP:** If Loader View is not displaying as an option:

- On the device, go to User Profile
- Select Settings.
- Under Equipment, select the loader equipment.
- Save and exit.

For full setup instructions, see Set Up Loader View (BETA).

4.6. Final Checks for a Successful First Feeding

Review these final tasks identified by our install teams to ensure your data is accurate and you are ready for your first feeding with FeedComp.

⚠️ **IMPORTANT:** Have you completed your Pre-Installation Checklist? Use it to get your devices, scales and hardware ready for your install and first feeding.

💡 **TIP: Print this Page!**

If you'll be completing these steps on-site without easy access to a browser, consider printing this page beforehand. A printed copy makes it easier to follow along and check off items as you go.

Feed Team

- [ ] Ensure every feeder has logged into FeedComp at least once and confirmed their 6-digit PIN.
- [ ] We recommend having your feed team scheduled and onsite for your first feeding with FeedComp so they can learn the new workflow and ask their install tech questions.
- [ ] Ensure feeders know the device login if one is required.

> 💡 **TIP:** Leave a note in the tractor cab with FeedComp login details so feeders can find them quickly.

Devices

- [ ] Make sure that each device is **not** set to lock. See Device Settings to learn more about keeping devices unlocked during feeding.
  - [ ] Confirm each device is 100% charged before feeding.
  - [ ] Confirm that the only Bluetooth connection is to the scale. Disconnect any other devices.
  - [ ] Verify the device is refreshing with PULSE and feed data is current.
  - [ ] Confirm no other apps are running on the device.

Scale Indicator

- [ ] Test the Bluetooth connection between the device and the scale.
- [ ] Confirm the feeder knows how to manually zero out the scale.

Need help? Use this link: Configure and Connect the Scale

Feeding and Inventory Checks

- [ ] Confirm all pens are listed:
  - [ ] **PULSE**: Select FeedComp > Pens
  - [ ] **FeedComp Mobile App**: Select Adjustments > Pens
- [ ] Confirm all feedings are listed and are in the correct order:
  - [ ] **PULSE**: Select FeedComp > Feedings
  - [ ] **FeedComp Mobile App**: Select Adjustments > Feedings
- [ ] Confirm each mix amount is correct:
  - [ ] **PULSE:** Select FeedComp > Feedings. Check the amount in Remaining Mixer Capacity.

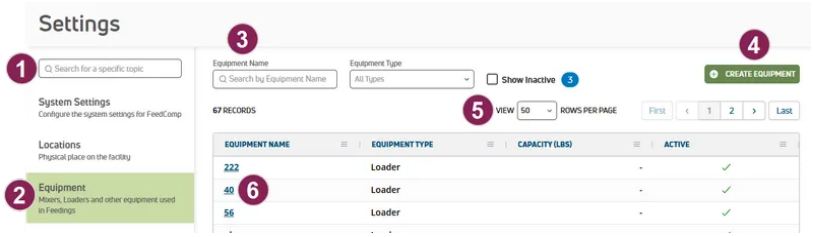
- [ ] **FeedComp Mobile App:** Select Adjustments > Feedings. Check the amount at the top right corner of the feed card.
- [ ] Confirm recent recipe changes are incorporated:
  - [ ] **PULSE:** Select FeedComp > Recipes
  - [ ] **FeedComp Mobile App**: Select Adjustments > Recipes
- [ ] Confirm on-farm ingredient inventories are not at risk of running out before the end of feeding.

5. Configure FeedComp Settings on PULSE

Required Permissions

The **Settings** page allows you to view and edit FeedComp on PULSE settings and configuration options in PULSE. You can find this feature under the FeedComp Menu.

NOTE: These settings are required for FeedComp to function correctly, but they are typically configured by VAS Support or a VAR during onboarding, based on the Feed Data Sheet—not during day-of installation. They are presented here for reference in case users need to review, add, or modify any of the settings described in this section.



TIP: Permissions to edit settings depend on your subscription and role.

Follow the guidelines below when working with the FeedComp **Settings** page:

1. **Search for Settings**: Use the **Search** field at the top left to find a specific Settings page.
2. **Select an Option**: Settings for the option selected are displayed on the right side of the page. Choose from the following settings options:
   - System Settings
   - Locations
   - Equipment
   - Editing Restrictions
3. **Filter the List**: Some settings include additional search features at the top of the page.
4. **Add New Items**: Some settings allow creation of new items at the top right of the page.
5. **View Rows Per Page**: Select an option to change how many records are displayed on the page, and click the navigation options to jump to a specific page.
6. **View More Details**: Click a name to open the side panel and view additional details.

5.1. System Settings

The **System Settings** page allows you to customize general configuration options that define how your dairy uses FeedComp.

For a detailed explanation of how these settings affect your workflow, see Feeding Schedule Reset.

Edit Start of Day for Feeding

FeedComp's automatic feeding schedule reset (officially referred to as the **Start of Day for Feeding**) refreshes the feeding schedule every night for the next day. This transition ensures that all feedings from the previous day are cleared and the new day's tasks are populated.

By default, FeedComp restarts the feeding schedule at **12**:00 **AM** in your time zone. During this reset:

- **Schedule Update:** Completed feedings from the previous day are cleared, and the new day's schedule is generated.
- **Mobile App Status:** All feedings are updated to a **Pending** status on the mobile app.
- **Recalculations:** Any pending changes to "splits" (divided feedings) are applied and recalculated.

> **IMPORTANT:** Set your reset time at least 2 hours after your last scheduled feeding of the day. If feedings are in progress during the reset, they may be moved to **Pending** status and appear as **Missing** in reports.

1. Navigate to **Settings → System settings**.
2. Locate the **Start of Day for Feeding** section.
3. Update the **Hour** and **Minutes** fields to your preferred start time.
4. Select the blue check mark ☑ on the right to save your changes.

> **NOTE:** If "Blocked Time" is currently active, you may be unable to modify these settings until the blocked period ends.

Reset Feeding Schedule

If you have completed the current day's feedings but need to perform an "after-hours" feeding before the next automated reset, you can trigger a manual reset.

1. Navigate to **Settings → System settings**.
2. Locate the **Reset Feeding Schedule** section.
3. Select **RESET**.

When you manually reset the schedule, the system applies the following changes:

Web

On the Feedings page:

- Any split feedings are recalculated.
- All feedings reset to pending.

On the Feed History Report:

- All pending feedings reset to missing.
- Any overnight loads from the last feeding remain paused.

- Any overnight loads prior to the last feeding are aborted.
- All feedings in progress reset to pending.

Mobile

On the Feedings screen, all feedings reset to pending.

On the Feed History Report:

- All pending feedings reset to missing.
- Any overnight loads from the last feeding remain paused.
- Any overnight loads prior to the last feeding are aborted.
- All feedings in progress reset to pending.

Important Considerations

- **Time Zone Coordination:** Software releases and system updates are scheduled to minimize disruption to the midnight reset, with particular consideration for Pacific Time Zone farms to avoid interrupting late-night feedings.
- **Start of Day Configuration:** If feeding cards appear late or do not reset as expected, check that the **Start of Day** has not been set to a midday time (for example, 12:00 PM), which can delay card resets.
- **Reporting Impact:** Any feedings left in a **Pending** state from the previous day at the time of the reset are recorded as **Missing** in the Feed History Report.
- **In-Progress Feedings:** If a feeding is in progress during the reset, it is moved back to a **Pending** state for the new day.
- **Permissions:** Accessing or modifying these settings requires the **FeedConfiguration** permission to be assigned to your user profile.

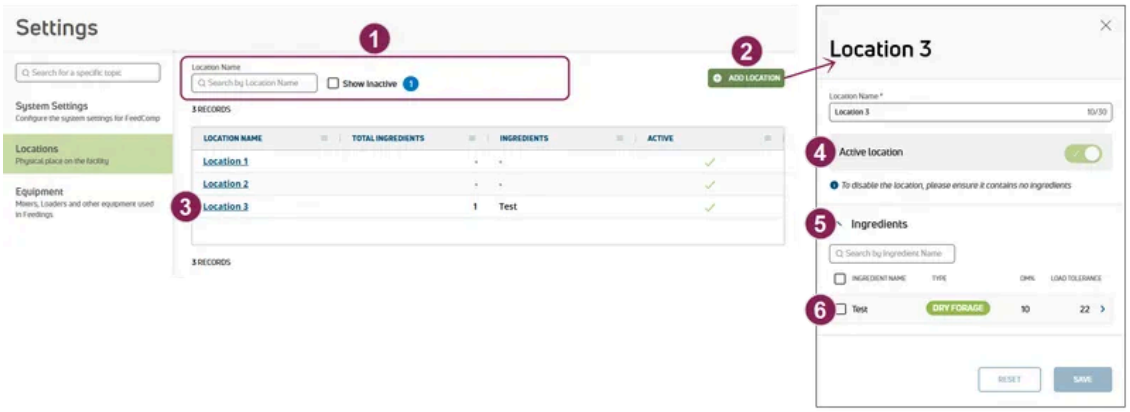
5.2. Locations

Locations represent where feed ingredients are stored on the dairy, such as lots, bays, or silage piles. In FeedComp, each ingredient is associated with a location so you can track where inventory is stored and manage it accurately.

From the Locations area, you can create and maintain locations, view which ingredients are stored at each location, and move ingredients as inventory changes. This article explains how to manage locations in FeedComp on both web and mobile.

Web

You can manage FeedComp locations on the **Settings** page.



Expand the sections below to learn more:

1. **Search and Filter the Locations List**
2. **Create New Location**
3. **Edit Location**
4. **Deactivate or Reactivate Locations**
5. **View Ingredients at a Location**
6. **Transfer Ingredients to Other Locations**

Mobile

You can manage FeedComp locations on the **Adjustments** screen. Active locations are displayed by default. Tap the **Inactive** filter to see more.

Expand the sections below to learn more:

- **Create New Location**
- **Edit Location**
- **Deactivate Location**

- Reactivate Location
- Transfer Ingredients to Other Locations
- Search and Filter the Locations List

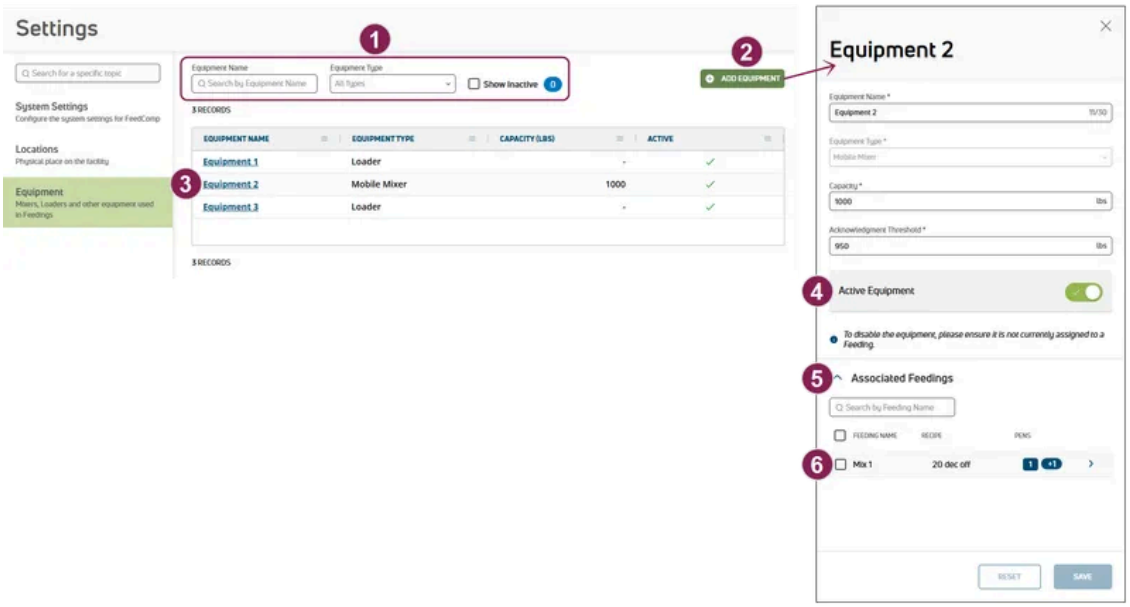
5.3. Equipment

Equipment represents the mixers and scales used to prepare feedings in FeedComp. This typically includes mobile mixers with a known capacity and the scales mounted on those mixers, such as the Scale-Tec POINT scale or Topcon Digi-Star scale. FeedComp must be connected to a supported scale for feedings to function correctly.

From the Equipment area, you can create and manage equipment records, track which feedings are associated with each piece of equipment, and move feedings as needed. This article explains how to manage equipment in FeedComp on both web and mobile.

Web

You can manage FeedComp on PULSE equipment on the **Settings** page.



Expand the sections below to learn more:

1. **Search, Sort, and Filter the Equipment List**
2. **Create New Equipment**
3. **Edit Equipment**
4. **Deactivate or Reactivate Equipment**
5. **View Feedings Associated with Equipment**
6. **Transfer Feedings to Other Equipment**

Mobile

You can manage FeedComp equipment on the **Adjustments** screen. Active equipment is displayed by default. Tap the **Inactive** filter to see more.

Expand the sections below to learn more:

- **Create New Equipment**
- **Edit Equipment**
- **Deactivate Equipment**
- **Reactivate Equipment**
- **Enable Sounds**
- **Search and Filter the Equipment List**

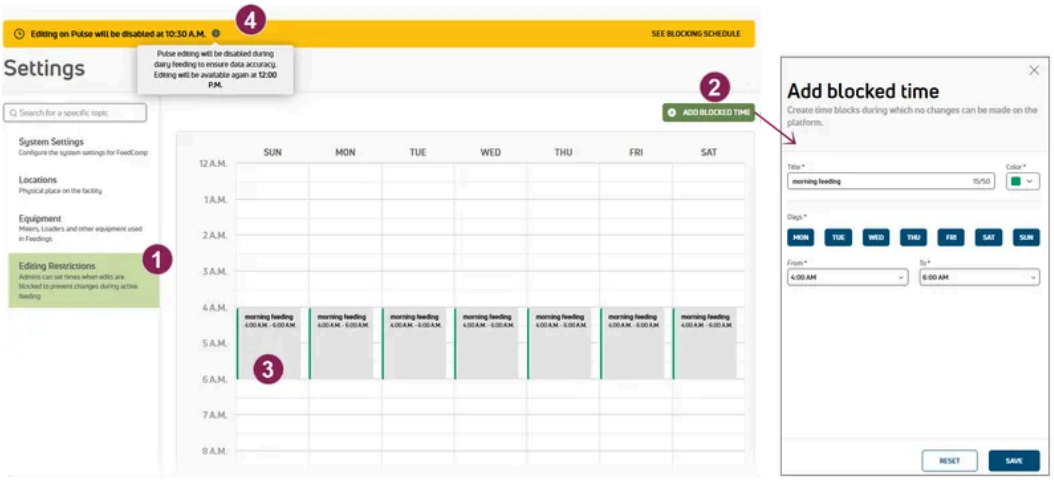
5.4. Editing Restrictions

Editing restrictions allow you to communicate preferred time windows for users to edit feedings in PULSE. They do not prevent edits or control synchronization behavior between PULSE and the mobile app. Instead, they provide a warning to other users—such as nutritionists or consultants who are not physically present on the dairy—if a blocked feeding time is approaching and lets them know that changes made in PULSE will not be applied to the mobile app until the restriction window has ended.

> **IMPORTANT:** FeedComp is a feeding-first product, so once a feeding is started from the mobile app, any changes in PULSE for that feeding will not synchronize to the mobile app until the feeding is complete. To change a feeding that is already in progress, you must make the updates on the mobile device currently handling the load.

All users with Feed Read permissions can view the schedule. Only users with Feed Configuration can add, edit, or delete restrictions.

To configure editing restrictions in PULSE, go to FeedComp → Settings → Editing Restrictions and follow the instructions below.



1. **View Editing Restrictions**: Check for any protected times in a calendar view.
2. **Add a Blocked Time**: Click **Add Editing Restrictions** at the top right of the page to open the side panel and enter information for the editing restriction.
3. **Edit or Delete a Blocked Time**: Click the editing restriction to update or delete from the calendar view to open the **Edit blocked time** side panel. From here, you can change the editing restriction details or click the delete button 🗑 in the upper right corner of the side panel.
4. **Warning Banner:** PULSE warns you if a blocked time is approaching. Hover over the warning for more information.

5.5. Permissions

Permissions in FeedComp are managed through PULSE and are included as part of the FeedComp app permissions. These permissions control what users can view, edit, and manage within FeedComp, such as feedings, recipes, ingredients, inventory, pens, schedules, reports, and shared files.

By default, all FeedComp users are allowed to complete feedings. Additional permissions can be assigned to grant access to configuration, editing, reporting, batch feedings, and other administrative or management tasks, depending on a user's role and responsibilities.

Web

Permissions in FeedComp are controlled by PULSE and are included in PULSE Feed Permissions.

> **TIP:** All FeedComp App users are allowed to complete Feedings by default.

Permissions

- **Feed Configuration:** Allows you to edit recipes and ingredients, as well as information on feed vendors, equipment/devices, pens, and users.
- **Feed File Download:** Allows you to download and view history details for Feed shared files.
- **Feed File Upload:** Allows you to upload Feed shared files. Users may delete files they uploaded, but need File Management permission to delete other files.
- **Feed Inventory Write:** Allows you to edit Feed inventory data.
- **Feed Read:** Allows you to view data, recipes, equipment, devices, and reports.
- **Feed Write:** Allows you to edit Location DM%, as well as ingredients, recipes, and alternate recipes.
- **Pen Management:** Allows you to edit the feed details for each pen location.

Mobile

Permissions in FeedComp are controlled by PULSE and are included in PULSE Feed Permissions.

> **TIP:** All FeedComp App users are allowed to complete Feedings by default.

Permissions

- **Feed Access**: Allows you to use the available feeding styles and access the **Feed** tab in FeedComp.
- **Equipment Edit**: Allows you to edit Equipment settings in FeedComp.
- **Feeding Schedules Edit**: Allows you to edit Feeding Schedules.
- **Ingredient Adjust DM%**: Allows you to adjust dry matter % in FeedComp.
- **Ingredient Edit**: Allows you to edit Ingredients in FeedComp.
- **Inventory Access**: Allows you to manage Inventory in FeedComp.
- **Location Edit**: Allows you to edit Locations in FeedComp.
- **Mobile App Access**: Allows you to download and use FeedComp.
- **Pen Counts**: Allows you to edit Pen Counts in FeedComp.
- **Pen Edit**: Allows you to edit Pens in FeedComp.

- **Pen Feeding Amounts**: Allows you to edit Pen Feeding Amounts in FeedComp.
- **Recipe Adjust Ingredient Amounts**: Allows you to edit Ingredient Amounts in FeedComp.
- **Recipe Edit**: Allows you to edit Recipes in FeedComp.
- **Recipe Set Alternate Recipe**: Allows you to set Alternate Recipes in FeedComp.
- **Report Access**: Allows you to view Reports in FeedComp.

5.6. PULSE vs FeedComp Mobile App

The table below identifies the tasks you can complete in FeedComp on PULSE and the mobile app. For all tasks that can be completed on both platforms, changes remain synchronized while the mobile app has an active data or WiFi connection. If the mobile app goes offline, changes will sync from mobile to PULSE and vice versa once the app is back online.

Task	Web (PULSE)	Mobile App	Notes
Install the FeedComp App		✅	Mobile-only initial log-in.
Configure Mobile App Settings		✅	App-specific preferences & language.
Configure and Connect the Scale		✅	Requires Bluetooth pairing out on the farm.
Configure FeedComp Settings on PULSE	✅		Manage system-wide FeedComp settings and user permissions.
Locations	✅	✅	Define where feed ingredients are stored on the dairy.
Equipment	✅	✅	Define the the mixers and scales used to prepare feedings in FeedComp.
Pens	✅	✅	Pen counts are used to calculate daily feed amounts.
Ingredients	✅	✅	Each ingredient is linked to specific storage locations (bays, piles, or lots).
Recipes	✅	✅	Define what each animal group is fed and in what amounts.
Inventory	✅	✅	Record deliveries and make adjustments.
Vendors	✅	✅	Manage where feed comes from and which ingredients are available.
Manage Feedings	✅	✅	Create and schedule feedings and add special ingredients, such as premixes and weighbacks.
Create and Schedule Feedings	✅	✅	Adjust order, split feedings, or update details as plans change.
Batch Feedings		✅	Used for feedings not already on the schedule.
Manage Weighbacks	✅	✅	Use Filler Loads to pick up and reuse leftovers as the first ingredient.
Feed Using the App		✅	Start a feeding, load ingredients, and drop to pens.
Set Up Loader View (BETA)		✅	Connect your loading device to your feeding device, so any operations on your feeding device are mirrored on your loading device
View Reports	✅	✅	View all FeedComp reports. Note that the Income Over Feed Cost Report is only available in FeedComp on PULSE.

6. Feeding Essentials

Feeding Essentials walks you through the core setup required to feed your animals with FeedComp. Complete these steps before entering feedings in the mobile app or PULSE. Most farms complete this setup once, then maintain it as feeding needs change.

NOTE: These settings are required for FeedComp to function correctly, but they are typically configured by VAS Support or a VAR during onboarding, based on the Feed Data Sheet—not during day-of installation. They are presented here for reference in case users need to review, add, or modify any of the settings described in this section.

Set Up Feeding (Required Before You Feed)

To get up and running quickly, complete these tasks in the following order:

1. Add Pens**:** Organize animals into feeding groups to ensure each group receives the correct ration.
2. Create Locations: Select where feed ingredients are stored on the dairy, such as lots, bays, or silage piles. In FeedComp, each ingredient is associated with a location
3. Create Ingredients**:** Define the raw components (silage, hay, grain, etc.) used in your recipes.
4. Create Recipes**:** List the ingredients and amounts needed for each pen, including any premixes.
5. Set Up Inventory**:** Set up tracking for on-hand feed to manage usage and reorders.
6. Add Equipment: Add the mixers and scales used to prepare feedings in FeedComp.
7. Add Vendors**:** Link your feed suppliers to specific ingredients to keep sourcing organized.

You can manage all feeding essentials from both the web (PULSE) and the mobile app:

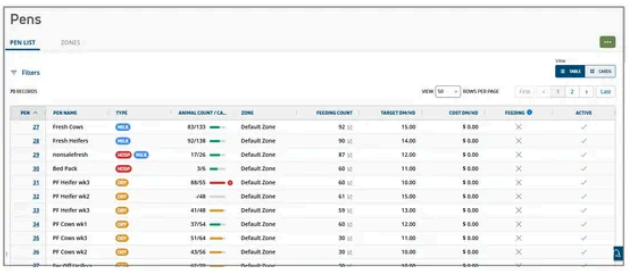
Setup Task	Web (PULSE)	Mobile App	Notes
Pens	✅	✅	Pens group animals so FeedComp knows how much to feed each group.
Ingredients	✅	✅	Ingredients represent the feed you use and where they are stored (bays, piles, lots, etc.).
Recipes	✅	✅	Recipes define what goes into a ration and automatically calculate fed and dry matter amounts.
Inventory	✅	✅	Inventory tracks how much feed you have on hand as deliveries and adjustments are recorded.
Vendors	✅	✅	Vendors track who supplies your feed and which ingredients they provide.

6.1. Pens

You can add, edit, and manage pens in both the FeedComp mobile app and FeedComp on PULSE on the web. Core tasks, such as creating pens, FeedComp viewing pen details, and managing animals, are available in both interfaces, so you have the flexibility to manage feedings.

In PULSE, the **Pens** page provides a full management view, including feeding-related settings, pen capacity, and historical data. PULSE is typically used during initial setup and configuration.

In the FeedComp mobile app, the **Pens** page is designed for quick, on-the-go access. Pens are displayed as cards, allowing you to quickly view pen status and work with animals while on the farm.



- **Pen Building Blocks**
- **Add a Pen**
- **Manage Pens on PULSE and the Mobile App**
- **Activate or Deactivate Pens**
- **Automatic Pen Updates**
- **Zones**

6.2. Ingredients

Ingredients are the raw components you use to build recipes, such as corn silage, alfalfa, minerals, and additives. By defining each ingredient in FeedComp, you ensure your recipes are accurate and your inventory stays up to date.

To help you manage your feed, you link each ingredient to its storage location on the dairy—like a lot, bay, or silage pile. FeedComp tracks these quantities so you always know what you have on hand. This helps you monitor usage, reduce waste, and make better reordering decisions.

Permissions

Your ability to manage ingredients depends on your assigned permissions. If you have **Feed Read** permissions, you can view all ingredient details. To create or edit ingredients, you must have **Feed Configuration** permissions. This setup ensures that only authorized team members can change your feed data, keeping your inventory and recipes accurate.

See Edit Dairy User Permissions and Manage Dairy Roles to learn more.

Ingredient Types

Every ingredient is assigned a type. The type appears as a color-coded label on the ingredient card.

Type	Description
Dry Forage	Vegetative material, such as stems, leaves, and stalks of plants, in a dried state that is used for feed.
Fresh Forage	A crop of cultivated plants or plant parts that are grazed or harvested as feed.
Silage	Preserved forage for feed, like pasture grass, alfalfa, grains, and corn, that is produced by fermenting plant matter.
Energy	High-calorie feed, such as corn, sorghum, barley, and wheat.
Protein	High-protein feed, such as soy and canola.
Vitamins and Minerals	Supplements added to feed to prevent deficiencies in dairy cows that can impact health and milk production.
Additives	Products added to feed to enhance feed quality, make the feed more digestible, and improve health and performance.
Weighback	Feed leftover from a prior feeding that can be added to a recipe and help reduce waste.
Water	Water added to a feed mixture to improve daily milk yield.

Key Fields and Terminology

These fields appear throughout ingredient screens on both web and mobile:

- **DM%:** The dry matter percentage for the ingredient. If stored in multiple locations, a separate value is shown for each.
- **AF Cost:** The as-fed cost per unit or per ton. "As-fed" means the cost reflects the ingredient's weight including moisture content.
- **On-Hand Amount:** The current quantity available at a given location, expressed in your configured unit or in tons.
- **Daily AF:** The daily as-fed usage in tons.
- **Days Left:** The estimated number of days remaining before the on-hand amount is depleted.
- **AF Projections:** Estimated as-fed usage over the next 30, 60, and 90 days.

- **Ingredient Usage by Recipes:** A list of recipes using the ingredient, including DM weight per head, AF weight per head, pens fed, and daily AF usage.

Units (lbs or kg) are based on your account settings. See Edit Your User Account to change them.

Load Tolerance

Load tolerance is the "close enough" amount when loading an ingredient. It tells FeedComp how much weight can be over or under the target before the app auto advances to the next ingredient.

Setting a load tolerance helps you work faster. Instead of trying to hit an exact number with a heavy loader, FeedComp auto advances to the next ingredient once the loaded weight reaches the chosen range. This keeps your loading flow smooth while making sure your animals still get the right mix. You can set a different tolerance for every ingredient in your list.

For example, if you need 1,000 lbs of corn silage and your load tolerance is 100 lbs, FeedComp will auto-advance to the next ingredient once 900 lbs or more is loaded.

> ⚠️ **IMPORTANT:** The load tolerance setting controls when the app auto-updates during loading. See Load Tolerance for important cautions before changing this setting.

Tracking Ingredients at a Location

When you **track** an ingredient location, FeedComp actively manages that inventory for you. Tracking starts as soon as you add stock to a location. From that point on, the system continuously monitors your levels so you know exactly how much feed you have left and when it's time to reorder.

FeedComp adds a new Adjustment transaction to the Transactions page when:

- Tracking is toggled on or off
- The On-Hand Amount, DM%, or AF Cost is updated after tracking is enabled

Managing Ingredients

For step-by-step instructions, see the topics below:

- Create an Ingredient**:** Add a new ingredient and assign it to a location.
- View and Search Ingredients: Find, sort, filter, and view ingredient cards and details.
- Edit an Ingredient**:** Update fields such as DM%, cost, load tolerance, type, and time delay.
- Deactivate or Reactivate an Ingredient**:** Deactivate or reactivate ingredients.
- Manage Ingredient Locations**:** Assign, remove, or transfer ingredients across locations, and enable tracking.

6.2.1. Create an Ingredient

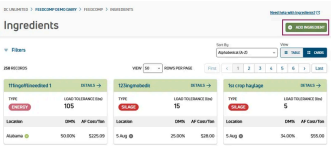
When you create an ingredient, you add a new feed component to FeedComp and link it to its storage locations on your dairy. Once you've set it up, you can start using that ingredient in your recipes and premixes. FeedComp then tracks the inventory at each location, giving you a clear view of your available feed.

Before you begin, make sure your Locations are already set up. See Start Here: Better Feeding Made Simple to learn more about the required setup order.

> ⚠️ **IMPORTANT:** The load tolerance setting controls when the app auto-updates during loading. See Load Tolerance for important cautions before changing this setting.

Create an Ingredient in PULSE on the Web

Follow the steps below to create a new ingredient using PULSE on the web.



1. Navigate to the **Ingredients** page.
2. Select **Add Ingredient** at the top right of the page. The side panel opens.
3. Enter a unique **Ingredient Name** (it cannot match an existing ingredient).
4. Select the **Ingredient Type**. If you're adding a weighback ingredient, select "Weighback."
5. In **Load Tolerance**, enter the amount of weight considered "close enough" to the target amount. (See Load Tolerance to learn more.)
6. Select **Add Location** to assign the ingredient to a storage location. Multiple locations can be added. For each location:
   - Enter the **DM%** and **AF Cost**, then select **Unit** or **Ton**.
   - Click the **Track this Location** toggle to begin tracking inventory at this location.
   - In **On-Hand Amount**, enter the current quantity available, then select **Unit** or **Ton**.
7. Select **Save**.

Create Ingredients in the Mobile App

Follow the steps below to create a new ingredient using the mobile app.

1. On the **Ingredients** screen under **Adjustments**, tap **Create Ingredient** at the bottom of the screen.
2. Enter the **Ingredient Name**.
3. If you're adding a weighback ingredient, tap the **Weighback Ingredient** toggle.
4. Select the **Ingredient Type**.
5. Enter the **Load Tolerance** if you want the app to auto-advance during loading.
6. Tap **+ Assign Location** in the middle of the screen.
7. Select the location, select **Unit** or **Ton**, enter the **DM%** and **Cost Unit** or **Cost Ton**, then tap **Add** at the bottom of the screen.
8. Tap **Save** at the bottom of the screen.

Important Considerations

Keep the following points in mind when creating ingredients:

- **Ingredient types**, **load tolerance**, **DM%**, **AF Cost**, and other field definitions are described on the Ingredients page.
- Units (lbs or kg) are based on your account settings. See Edit Your User Account to change them.
- To edit an ingredient after creating it, see Edit an Ingredient.

To learn more, see the links below:

- View and Search Ingredients: Find, sort, filter, and view ingredient cards and details.
- Edit an Ingredient**:** Update fields such as DM%, cost, load tolerance, type, and time delay.
- Deactivate or Reactivate an Ingredient**:** Deactivate or reactivate ingredients.
- Manage Ingredient Locations**:** Assign, remove, or transfer ingredients across locations, and enable tracking.

6.2.2. View and Search Ingredients

The **Ingredients** page gives you a quick overview of your feed components. In PULSE, you can choose to view your ingredients as a list of cards or in a detailed table. If you are using the mobile app, ingredients always appear as cards for easy viewing on the go.

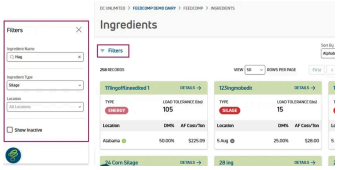
Select any ingredient to see its full details, including which recipes use it and exactly how much inventory you have at each location.

Search and Filter Ingredients

Use the search and filter options at the top of the screen to quickly find specific ingredients or narrow the list.

From PULSE on the Web

To refine the ingredient list:



- Select **Filters** at the top left of the page to open the filter panel.
- In the **Ingredient Name** field, type all or part of a name to search.
- Use **Ingredient Type** to limit results to one or more types. You can scroll through the list or type to search within it.
- Use **Location** to show ingredients from specific locations. You can also type to search for a location.

By default, only active ingredients are shown. To include inactive ones, select **Show Inactive**.

To remove all applied filters and return to the full list, select **Clear Filters**.

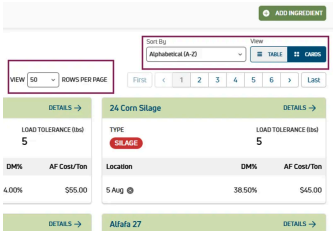
From the Mobile App

Use the search and filter options at the top of the screen to narrow the list.

By default, only active ingredients are shown. To include inactive ones, tap the **Inactive** filter.

Sorting Ingredients (PULSE on the Web)

The PULSE interface provides two views for the ingredients list — **Table** and **Cards** — each with its own way of organizing ingredients.



- **Table view:** Select a column header to sort the list by that column.
- **Cards view:** Select an option in **Sort By** at the top right of the page to change the sort order.

Use the toggle to switch between views.

Viewing Ingredient Information

Ingredient information is displayed at two levels: a summary view and a details view. The summary gives you a quick snapshot, and the details view provides the full picture including inventory status and recipe usage.

From PULSE on the Web

The following summary information is shown for ingredients in PULSE on the web:

- **Ingredient Name**
- **Type**: Shown as a color-coded label.
- **Load Tolerance:** The weight threshold that triggers auto-advance during loading.
- **Location:** The storage location where the ingredient is kept.
- **DM%:** The dry matter percentage. If stored in multiple locations, a value is shown for each.
- **AF Cost/Ton:** The as-fed cost per ton. If stored in multiple locations, a value is shown for each.

Select the **Details** link on any card or list row to open the full details view, which includes:

- **Current On-Hand AF:** The amount currently available on hand, as-fed, in tons.
- **Daily AF:** The daily as-fed usage in tons.
- **Days Left:** The estimated number of days before the on-hand amount is depleted.
- **AF Projections:** Estimated as-fed usage for the next 30, 60, and 90 days.
- **Ingredient Usage by Recipes:** A list of recipes using the ingredient, including DM weight per head, AF weight per head, pens fed, and daily AF usage.
- **Locations:** All locations where the ingredient is stored, including DM%, AF cost per ton, DM cost per ton, on-hand amount, and days left.

From the Mobile App

Ingredients are displayed as cards showing a brief summary. Tap a card to open the full details view, which includes all the information listed above. Tap **Locations** or **Recipes** to switch between viewing the ingredient by location or by recipe usage.

Important Considerations

Keep the following points in mind when viewing ingredients.

- For field definitions for DM%, AF Cost, and other terms, see Ingredients.
- Units (lbs or kg) are based on your account settings. See Edit Your User Account to change them.
- To make changes to an ingredient from the details view, see Edit an Ingredient.

To learn more, see the links below:

- Create an Ingredient**:** Add a new ingredient and assign it to a location.
- Edit an Ingredient**:** Update fields such as DM%, cost, load tolerance, type, and time delay.
- Deactivate or Reactivate an Ingredient**:** Deactivate or reactivate ingredients.
- Manage Ingredient Locations**:** Assign, remove, or transfer ingredients across locations, and enable tracking.

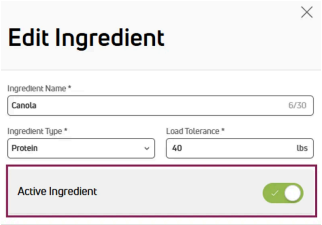
6.2.3. Deactivate or Reactivate an Ingredient

You can deactivate an ingredient you no longer need or reactivate one you want to use again. Active ingredients are available for use in recipes and premixes and appear in the default ingredients list. Inactive ingredients are hidden from the default list and cannot be assigned to new recipes or premixes.

> 🗒️ **NOTE:** An ingredient that is currently used in a recipe or premix cannot be deactivated. Remove the ingredient from the recipe or premix first, then deactivate it. On the mobile app, if the ingredient is assigned to a location, it is removed from that location when deactivated.

From PULSE on the Web

1. Navigate to the **Ingredients** page.
2. If reactivating, select **Filters** at the top left of the page and check the **Show Inactive** box to display inactive ingredients.
3. Select the name of the ingredient in the table list or the **Details** link on the ingredient's card. The ingredient details page opens.
4. Select **Edit Ingredient** at the top right of the page. The **Edit Ingredient** side panel opens.
5. Select the **Active Ingredient** toggle to deactivate or reactivate the ingredient.



6. Select **Save**.

From the Mobile App

- **To deactivate:** Tap the ingredient, tap **Edit Ingredient** at the bottom of the screen, then tap **Deactivate** at the top right of the screen.
- **To reactivate:** Tap the **Inactive** filter at the top of the screen, tap the ingredient, then tap **Reactivate** at the bottom of the screen.

Important Considerations

Keep the following points in mind when deactivating/activating ingredients:

- Inactive ingredients are hidden by default. Use the **Show Inactive** filter (PULSE) or the **Inactive** filter (mobile) to find them.
- To permanently remove an ingredient from a location rather than deactivating it, see Manage Ingredient Locations.

To learn more, see the links below:

- Create an Ingredient**:** Add a new ingredient and assign it to a location.
- View and Search Ingredients: Find, sort, filter, and view ingredient cards and details.
- Edit an Ingredient**:** Update fields such as DM%, cost, load tolerance, type, and time delay.
- Manage Ingredient Locations**:** Assign, remove, or transfer ingredients across locations, and enable tracking.

6.2.4. Edit an Ingredient

You can update your ingredient settings at any time to keep your feeding data accurate. When you change details like the name, cost, or dry matter percentage (DM%), FeedComp updates that information everywhere the ingredient is used. These changes take effect immediately, ensuring your recipes and costs stay up to date without any extra steps.

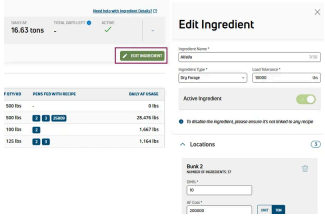
For field definitions and terminology, see Ingredients.

⚠️ **IMPORTANT:** The load tolerance setting controls when the app auto-updates during loading. See Load Tolerance for important cautions before changing this setting.

Edit an Ingredient using PULSE on the Web

Follow the steps below to edit an ingredient in PULSE.

1. Navigate to the **Ingredients** page.
2. Select the name of the ingredient in the table list or the **Details** link on the ingredient's card. The ingredient details page opens.
3. Select **Edit Ingredient** at the top right of the page. The **Edit Ingredient** side panel opens.



4. Update the fields as needed.
5. Select **Save**.

💡 **TIP:** Don't see the ingredient? Select **Filters** at the top left of the page and check the **Show Inactive** box to view all available ingredients.

Edit an Ingredient using the Mobile App

Follow the steps below to edit an ingredient in the mobile app.

1. Select **Ingredients** under **Adjustments**, then tap the ingredient you want to update.
2. Tap **Edit Ingredient** at the bottom of the screen.
3. Update the fields as needed.
4. Tap **Save** at the bottom of the screen.

Important Considerations

Keep the following points in mind when editing ingredients:

- To deactivate or reactivate an ingredient, see Deactivate or Reactivate an Ingredient.
- To assign, remove, or transfer an ingredient to a different location, see Manage Ingredient Locations.
- Units (lbs or kg) are based on your account settings. See Edit Your User Account to change them.

To learn more, see the links below:

- **Create an Ingredient:** Add a new ingredient and assign it to a location.
- **View and Search Ingredients**: Find, sort, filter, and view ingredient cards and details.
- **Deactivate or Reactivate an Ingredient:** Deactivate or reactivate ingredients.
- **Manage Ingredient Locations:** Assign, remove, or transfer ingredients across locations, and enable tracking.

6.2.5. Manage Ingredient Locations

To keep your inventory accurate, link each ingredient to at least one storage location, such as a lot, bay, or silage pile. As your needs change, you can easily move ingredients between locations or add them to multiple spots on the dairy. By enabling **tracking** for a location, you allow FeedComp to monitor your stock levels in real-time so you always know what you have on hand.

Assign an Ingredient to a Location

Assigning an ingredient to a location tells FeedComp where the feed component is stored and allows you to set location-specific values for DM%, cost, and on-hand amount.

From PULSE on the Web

1. Navigate to the **Ingredients** page.
2. Select the name of the ingredient in the table list or the **Details** link on the ingredient's card. The ingredient details page opens.
3. Select **Edit Ingredient** at the top right of the page. The **Edit Ingredient** side panel opens.
4. Select **Add Location** and select a location.
5. Enter the **DM%** and **AF Cost**, then select **Unit** or **Ton**.
6. Select the **Track this Location** toggle to begin tracking inventory at this location.
7. In **On-Hand Amount**, enter the current quantity available, then select **Unit** or **Ton**.
8. Select **Save**.

From the Mobile App

1. Tap the ingredient you want to update.
2. Tap **Edit Ingredient** at the bottom of the screen.
3. Tap **+ Assign/Edit Location** in the middle of the screen.
4. Select the location, select **Unit** or **Ton**, enter the **DM%** and **Cost Unit** or **Cost Ton**, then tap **Save** at the bottom of the screen.

Remove an Ingredient from a Location

Removing an ingredient from a location disassociates it from that storage area. The ingredient itself is not deleted and can still be assigned to other locations.

From PULSE on the Web:

1. Navigate to the **Ingredients** page.
2. Select the name of the ingredient in the table list or the **Details** link on the ingredient's card. The ingredient details page opens.
3. Select **Edit Ingredient** at the top right of the page. The **Edit Ingredient** side panel opens. All locations associated with the ingredient are displayed under **Locations**.
4. Select the delete icon on the right side of the location to remove it.

> 🗒️ **NOTE:** A blue delete icon indicates that the ingredient location is currently used in a recipe or premix and cannot be removed.

Transfer an Ingredient to a New Location

Transferring moves an ingredient's inventory from one location to another. In PULSE, this is done from the **Settings>Location** page. On the mobile app, it's done from the **Ingredients** screen.

From PULSE on the Web

1. Select the location from which the ingredient needs to be moved. The location side panel opens, and all ingredients associated with the location are displayed under **Ingredients**.
2. Check the box for one or more ingredients to transfer. Or, check the **Ingredient Name** box to select all ingredients.
3. Click **Transfer Ingredient(s)** 🔁. The **Edit Ingredients** side panel opens.
4. Select the new location, and then click **Save**.

From the Mobile App

1. Tap the ingredient you want to transfer.
2. Tap **Edit Ingredient** at the bottom of the screen.
3. Tap **+ Assign/Edit Location**.
4. Select the new location, select **Unit** or **Ton**, enter the **DM%** and **Cost Unit** or **Cost Ton**, then tap **Save** at the bottom of the screen.

Enable or Disable Tracking at a Location

Enabling tracking at a location activates ongoing inventory monitoring for that ingredient. Once tracking is enabled, FeedComp continuously updates stock levels based on recipe usage and manual adjustments.

From PULSE on the Web

1. Navigate to the **Ingredients** page.
2. Select the name of the ingredient in the table list or the **Details** link on the ingredient's card. The ingredient details page opens.
3. Select **Edit Ingredient** at the top right of the page. The **Edit Ingredient** side panel opens.
4. Select the **Track this Location** toggle to enable or disable tracking.
5. If enabling tracking, enter the **On-Hand Amount** and select **Unit** or **Ton**.
6. Select **Save**.

> 🗒️ **NOTE:** FeedComp adds a new Adjustment transaction to the Transactions page when tracking is toggled on or off, or when the On-Hand Amount, DM%, or AF Cost is updated after tracking is enabled.

Important Considerations

Keep the following points in mind when managing ingredient locations:

- Each ingredient must be assigned to at least one location. Make sure your Locations are set up before adding ingredients.
- To deactivate an ingredient rather than removing it from a location, see Deactivate or Reactivate an Ingredient.
- To edit location-specific values like DM% and cost without changing the location assignment, see Edit an Ingredient.

To learn more, see the links below:

- Create an Ingredient**:** Add a new ingredient and assign it to a location.
- View and Search Ingredients: Find, sort, filter, and view ingredient cards and details.
- Edit an Ingredient**:** Update fields such as DM%, cost, load tolerance, type, and time delay.

- **Deactivate or Reactivate an Ingredient:** Deactivate or reactivate ingredients.

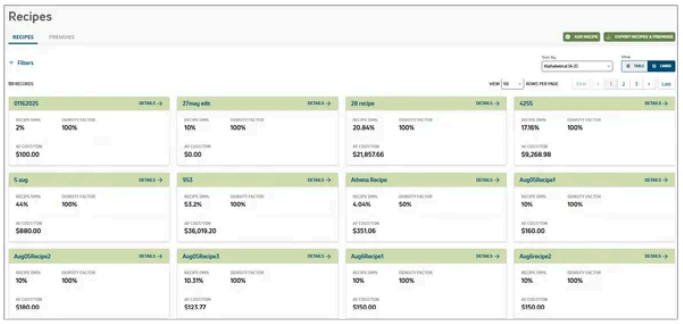
6.3. Recipes

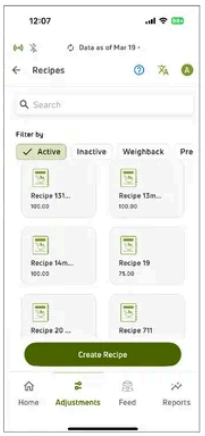
Recipes define what each animal group is fed and in what amounts. In FeedComp , a recipe brings together ingredients, quantities, and mixing behavior to create a consistent feed mix for a specific pen.

You can add, edit, and manage recipes in both the FeedComp mobile app and FeedComp on PULSE. The same recipe-related tasks —such as updating ingredients, adjusting quantities, and reviewing mixing order—are available in both interfaces, so you can work from the app or the web without switching workflows.

On PULSE, the Recipes page displays all recipes as cards or in a list view, providing a clear overview of available feed mixes.

In the FeedComp mobile app, the Recipes page is designed for quick, on-the-go access. Recipes are displayed as cards in a grid layout, allowing you to quickly scan and select a recipe.





- **Recipe Building Blocks**
- **Add a Recipe or a Premix**
- **Manage Recipes on PULSE and the Mobile App**
- **Activate or Deactivate Recipes**

6.3.1. Alternate Recipes

An alternate recipe is a backup recipe that can temporarily replace a primary recipe when it can't be made, such as during ingredient shortages and when you need to incorporate leftover feed (weighbacks) to reduce waste.

Why Use Alternate Recipes?

- **Keep feeding when ingredients run out.** Switch to a pre-approved backup recipe that doesn't use the missing ingredient so you avoid skipped or improvised feedings.
- **Use weighbacks instead of wasting feed.** Build leftover feed (weighback) into a planned alternate recipe to reduce waste, as well as meet nutrition and ration goals.
- **Depend on safe, flexible options.** Alternate recipes are set up ahead of time with clear rules, so you can choose an alternate recipe when you encounter real-world issues, instead of improvising substitutions in the moment.
- **Maintain accuracy and traceability.** FeedComp keeps pen conditions and as-fed amounts consistent when you switch, and clearly shows when an alternate is active and which recipe it's replacing.

Guidelines

FeedComp enforces these guidelines to keep substitutions simple, so it's easy to track what was actually fed and avoid confusion:

- **One Alternate per Recipe:** A primary recipe can only have one alternate assigned.
- **Reusable Alternates:** A recipe can serve as the alternate for multiple different primary recipes.
- **Active Status:** Only active recipes can be assigned as alternates.
- **One-Way Assignment:** If Recipe B is the alternate for Recipe A, Recipe A cannot be the alternate for Recipe B.
- **Alternates Can't Have Active Alternates:** You cannot activate an alternate for a recipe that is already serving as an alternate for something else.
- **Actives Can't Become Alternates While Replacing:** A recipe that is currently replacing another recipe (i.e., its alternate is active) cannot have that alternate activated until it stops replacing the other recipe.

Assign an Alternate

Web

1. Go to **FeedComp** > **Recipes.**
2. Select a primary recipe.
3. Select **Assign Alternate Recipe** at the bottom right side of the screen.
4. Choose the backup recipe and select **Save**.

Mobile

1. Go to **Adjustments > Recipes**.
2. Select a primary recipe.
3. Select **Edit Recipe**.
4. Select **Assign Alternate Recipe** at the bottom of the screen**.**
5. Choose the backup recipe and select **Save**.

Switch to an Alternate Recipe

When the primary recipe is unavailable, activate the backup:

Web

1. Go to **FeedComp** > **Recipes.**
2. Select the primary recipe you need to replace.
3. Under **Alternate Recipe**, select **Activate** on the right side of the screen and confirm your choice.
   Activated alternate recipes are marked by a green checkmark in the Recipes list.

Mobile

1. Go to **Adjustments > Recipes**.
2. Select the primary recipe you need to replace.
3. Under **Alternate Recipe**, select **Activate** and confirm your choice.

Return to a Primary Recipe

Web

1. Go to **FeedComp** > **Recipes.**
   Activated alternate recipes are marked by a green checkmark in the Recipes list.
2. Select the primary recipe you need to restore.
3. Under **Alternate Recipe**, select **Deactivate** on the right side of the screen and confirm your choice.

Mobile

1. Go to **Adjustments > Recipes**.
2. Select the primary recipe you need to restore.
3. Under **Alternate Recipe**, select **Deactivate** and confirm your choice.

> **TIP:** Always preview your scheduled loads to verify which recipe is active before you begin feeding.

6.3.2. Premix Recipes

Premixes let you define and manage blends (such as mineral or supplement mixes) as reusable building blocks inside your recipes. Instead of recreating the same combination of ingredients in multiple rations, you can set it up once as a premix and use it wherever it's needed. This makes it easier to standardize nutrition and keep recipes clean and consistent.

> **NOTE:** A premix's dry matter (DM%) and cost roll up from its ingredients and are used when the premix is added to other recipes.

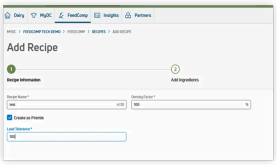
Creating a Premix in PULSE

Follow the procedure below to create a premix recipe that can be used as an ingredient in other recipes.

> **NOTE:** Premixes can be created and edited from PULSE the FeedComp mobile app..

1. In PULSE open the **FeedComp** tab, select **Recipes**, and then select **Premix**.
2. Enter a **Recipe Name**.
3. Enter the **Density Factor**.
   - The density factor indicates how much of the recipe can be loaded into the equipment based on weight and bulk.
   - Values greater than 100% allow you to mix more than the stated mixer capacity.
4. Enter the **Load Tolerance**.
   - Load tolerance defines the acceptable weight range around the target ingredient amount that the system treats as "close enough" to zero, allowing it to automatically advance to the next step.
   - The unit of measure (pounds or kilograms) is based on your PULSE account settings.
5. Select **Next** to continue.

   > **NOTE:** Select **Create a Premix** (under the recipe name) to prompt for load tolerance and convert the recipe into an ingredient that can be added to other recipes.



6. Add ingredients to the premix.

   a. Select the required ingredients from the dropdown menu.

   b. If more than one location is available, select the ingredient location.

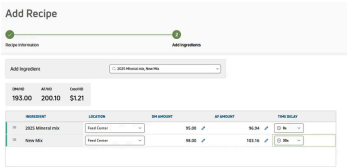
   c. Enter either the **DM Amount** or **AF Amount**.
      - The system automatically calculates the corresponding value.

   d. If needed, enter a **Time Delay**.

- The time delay specifies how long FeedComp waits before advancing to the next ingredient or completing the mix after the final ingredient is added.

e. Drag ingredients up or down to adjust the mix order.

f. Select **Add Premix** when finished.



Editing a Premix in PULSE

To edit an existing premix in PULSE, follow the steps below to update its settings or adjust its ingredient composition.

1. In PULSE open the **FeedComp** tab, select **Recipes**, then select **Premixes.**

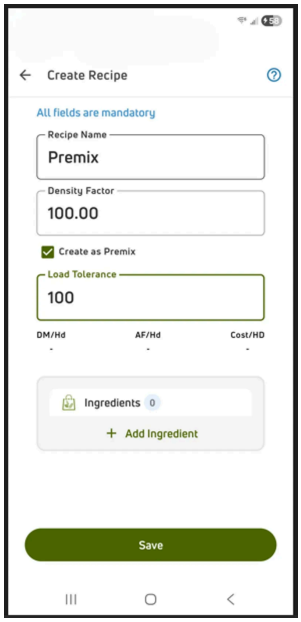
> **NOTE:** Premixes can also be found by selecting Ingredients.

2. Select the premix to be edited from the premix list.
3. Select **Edit Premix** to:
   - Change the **Premix Name.**
   - Adjust the **Density Factor.**
   - Deactivate (toggle off) the premix.
4. Select **Edit Ingredients** to:
   - Add or remove an ingredient.
   - Adjust the location, DM% or time delay.

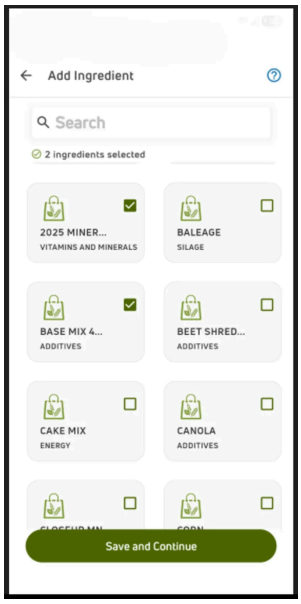
Creating a Premix in the Mobile App

To create a premix using the FeedComp mobile app, follow the steps below to define the recipe and add ingredients from your device.

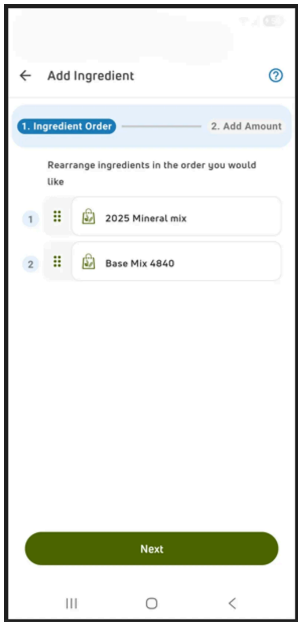
1. Under **Adjustments**, select **Recipes**, then **Create Recipe.**
2. Enter the **Recipe Name**, **Density Factor**, check "**Create as Premix**" and enter the **Load Tolerance.**
3. Select **+Add Ingredient.**



4. Tab on the box in the top right corner of each ingredient card needed for the premix.
5. Select **Save and Continue.**



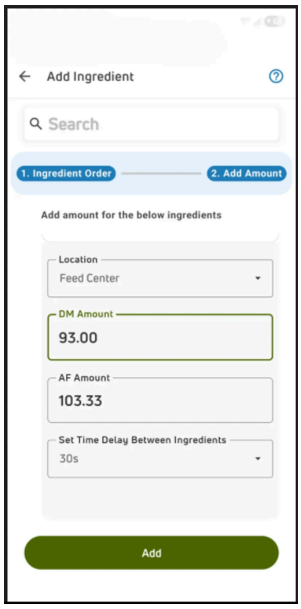
6. Drag the ingredients into the proper mix order, then select **Next.**



7. Select the **Ingredient Location**, **DM Amount** (or **AF Amount**) and set a **Time Delay** if applicable.

> Users may need to scroll down to see other ingredients.

8. Select **Add** when finished.



Editing a Premix in the Mobile App

To modify an existing premix in the mobile app, use the steps below to update recipe details, ingredients, and mix settings.

1. Under **Adjustments**, select **Recipe**, then tap on the premix to edit.
2. Tap on **Edit Recipe.**
3. Edit the **Recipe Name**, **Density Factor**, **Load Tolerance.**
4. Tap on **+Add/Edit Ingredient**, then tap on the ingredient card to add or remove ingredients, then click on **Save and Continue.**

5. Adjust the mix order if needed, then click **Next.**
6. Adjust the **Location**, **DM Amount** (or **AF Amount**) and T**ime Delay**, then click **Add.**

Making Premix Loads (Batching)

Batching a premix allows you to prepare and store commonly used blends in advance, ensuring consistent inclusion rates and reducing time spent during daily feeding. Premix loads are typically mixed ahead of periods of high usage or immediately after ingredient deliveries, helping keep production on schedule while maintaining accurate and standardized additive inclusion.

Mixing a Premix batch

To mix a premix batch, follow the steps below to load ingredients in the correct order and complete the batch using the FeedComp mobile app.

1. From the FeedComp mobile app, select **Feed**, then **Batch Feeding**, then tap on the premix card.
2. Choose the **Load Size** and **Equipment**; follow the loading order and time delays
3. Complete the batch.

> **NOTE:** Premixes can be added to scheduled feedings for daily mixing, and completing a premix batch adds inventory to the assigned location, from which feedings are automatically deducted.

Add a Premix Inside Another Recipe

To use a premix as an ingredient in another recipe, follow the steps below to add the premix and define its target amounts and loading location.

1. In PULSE open the **FeedComp** tab, then **Recipes.** Or select **Adjustments**, then **Recipes** on a device.
2. **Add** a new recipe or **edit** a current premix (recipe).
3. **Add Ingredient**: Select the premix from the ingredient list.
4. Enter **DM%** or **AF** target amounts and select the **Storage Location** for loading
5. **Save** when finished.

> **IMPORTANT:** Avoid circular references. If Premix A contains Premix B, do not add Premix A inside Premix B. The system blocks or warns against loops because they break calculations.

Reporting

You can review premix-related reports either in PULSE or in the mobile app, depending on where you are working.

- In PULSE, open the **FeedComp** tab and select **Reports**.
- In the mobile app, select **Reports** from the bottom-right.

Ingredient Usage

Use the **Ingredient Usage** report to review actual historical consumption for a premix over a selected date range. This report helps you understand how much of a premix was used and where it was consumed. Usage can be broken down to show direct inclusion in recipes versus use during premix preparation.

Projections

The **Projections** report shows current on-hand inventory, estimated daily demand, and projected run-out dates for premixes. You can also use the **Expand premix ingredients** option to view underlying ingredient demand rolled up across recipes and premixes, without double counting.

Quality Control, Safety, and Troubleshooting

The following best practices and troubleshooting steps help ensure premix accuracy, maintain safety and traceability, and quickly resolve common issues during setup, batching, and use.

- Lock formulas after QA review. Use a versioned name when making significant changes to maintain traceability.
- Set reasonable Load Tolerance values so crews can meet targets without excessive rework.
- Audit high-potency additives regularly. Verify scale accuracy and mixer timing to ensure correct inclusion rates.
- Train crews on the difference between premix recipes and final-feed recipes to prevent misloads.

If issues occur:

- Confirm the premix is **Active** and that a premix ingredient exists or is properly linked. Refresh the recipe editor after creating or reactivating the premix.
- Verify the premix ingredient has a default location assigned and that feedings use the same location.
- Open the premix details and validate each ingredient's DM% and cost. Recalculate or save to refresh. Ensure the destination recipe uses the linked premix ingredient and no duplicate ingredients.
- Identify and update feedings that reference the premix. Remove the premix from those feedings before deactivating it.

6.4. Inventory

Inventory in FeedComp lets you track feed ingredients, record inventory transactions, and monitor supply levels across your dairy. Inventory data is shared between the mobile app and FeedComp on PULSE to keep on-hand amounts accurate and up to date. See On-Hand Amount to learn more.

From the mobile app, inventory is managed through the **Adjustments** screen, where you can record deliveries, pickups, and physical inventory adjustments. In PULSE (Web), the Inventory page provides an overview of ingredient inventory, transaction history, and vendor information, helping you identify usage trends and ingredients that may need to be reordered.

> 🗒️ **NOTE:** Only ingredients with location tracking enabled are included in your Inventory. Tracking begins when inventory is added to a location, ensuring stock levels are continuously monitored. See Manage Ingredient Locations to learn more about enabling tracking.

Inventory Tracking

FeedComp continuously monitors stock levels for tracked ingredients. As feedings are completed, usage transactions are automatically created and on-hand amounts are updated accordingly. Deliveries, pickups, and manual adjustments also update inventory in real time.

Amounts are displayed in pounds or kilograms based on the unit of measure specified in your Dairy Info and User Account settings.

Low Inventory Indicators

FeedComp uses color-coded indicators to help you quickly identify ingredients that are running low.

Card header colors (PULSE)

Color	Meaning
Green	More than 30-day supply on hand
Yellow	7 to 14 days on hand
Red	0 to 6 days on hand

Detail banner colors (mobile app)

Color	Meaning
Yellow	Less than a 30-day supply on hand
Red	Less than a 15-day supply on hand

On PULSE, if any ingredient has less than 30 days remaining, a **Low Inventory** banner displays at the top of the Overview page. Select **Filter** on the banner to quickly limit the list to low inventory items.

In the mobile app, a **Low Inventory** banner appears on the Inventory/Vendors screen showing the count of items running low (e.g., "Low Inventory (13 items)"). Tap the banner to view a scrollable list of just those items.

Days Left

The **Days Left** value indicates the estimated number of days before an ingredient's on-hand amount is depleted at its current usage rate. If the value is less than 15 days, the ingredient displays in **red**.

A dash ("-") is displayed in Days Left when:

- No scheduled feedings use the ingredient at the listed location, or
- The ingredient's on-hand amount for the location is negative.

A negative on-hand amount can occur when feedings generate usage transactions that exceed the available stock — for example, when tracking is enabled but delivery or adjustment transactions were not recorded before feedings were completed.

See On-Hand Amount to learn more.

Transaction Types

FeedComp uses four transaction types to track inventory changes. Recipes and feedings are updated automatically when transactions are created or when the DM% of an ingredient changes.

🗒️ **NOTE:** See Target DM and Feeding Amounts to learn how dry matter values affect feeding calculations and feeding goals.

Type	Description
Delivery	The delivery of an ingredient purchased for daily feedings. FeedComp processes inventory updates using the first-in, first-out (FIFO) rule when stock remains, or updates inventory values directly when no stock remains.
Pickup	The pickup of an ingredient no longer needed and sold off-farm. Follows the same FIFO processing rules as deliveries. See Weighbacks to learn more.
Physical Inventory Adjustment	A manual change or correction to match actual on-hand inventory. FeedComp resets the inventory and updates the on-hand amount, DM%, and cost. Adjustment transactions are also created automatically when you turn tracking on or update the on-hand amount, DM%, or AF cost for a tracked ingredient.
System	A system-generated transaction that sets the on-hand inventory to zero when tracking is turned off for an ingredient location. System transactions cannot be edited or deleted.
Usage	The ingredient amount used in daily feedings. FeedComp creates usage transactions automatically as ingredients are fed. These transactions are only visible on the web when the **Show Usage** filter is checked. See Filler Loads to learn more.

Offline Mode (Mobile App)

FeedComp supports working in offline mode in the mobile app. If you see a **No connection** message, you can continue creating transactions, updating ingredients, and performing other tasks. All changes are saved locally and applied automatically once your device is back online. See Mobile Connection Status to learn more.

Managing Ingredients

For step-by-step instructions, see the following pages:

- View and Search Inventory: Browse inventory, filter and sort, and view ingredient details
- View Transaction Details: View transaction information by type
- Create a Transaction: Record deliveries, pickups, and physical inventory adjustments
- Edit or Delete a Transaction: Modify or remove transactions (PULSE only)

For vendor management, see Vendors.

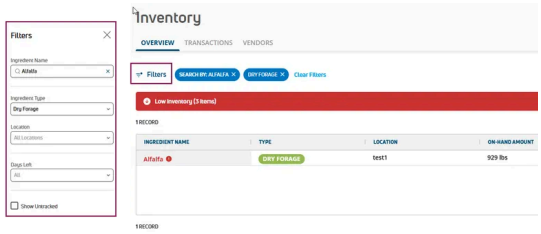
6.4.1. View and Search Inventory

The Inventory overview displays all tracked ingredients and their current stock levels, giving you a quick snapshot of what's on hand across your dairy. From here you can search, filter, and sort the list, and drill into any ingredient to view detailed inventory information including recent transactions.

Searching and Filtering

Use the options at the top of the screen to find specific ingredients in your inventory.

From PULSE (Web)



Select **Filters** at the top left of the page to open the Filters side panel. The following filter options are available:

- **Ingredient Name:** Type text to search by name.
- **Ingredient Type:** Select one or more types to limit the list. You can also type directly in the field to search.
- **Location:** Select one or more locations to limit the list. You can also type directly in the field to search.
- **Days Left:** Select an option to limit the list to inventory that will run out within a specific number of days.
- Select **Clear Filters** to reset all applied filters.

> 💡 **TIP:** If any ingredient has less than 14 days remaining, a **Low Inventory** banner displays at the top of the page. Select Filter on the banner to quickly limit the list to lower inventory items.

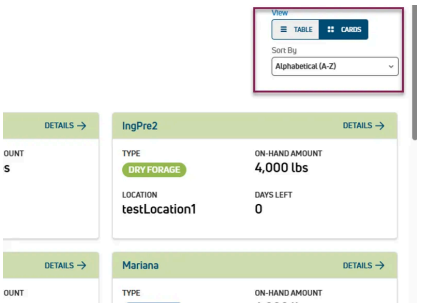
From the Mobile App

Use the search field above the ingredient cards to filter the list by name.

To view only low inventory items, tap the **Low Inventory** banner on the Inventory/Vendors screen. The banner displays the count of items running low (e.g., "Low Inventory (13 items)") and opens a scrollable list of just those items.

Sorting and Organizing (PULSE Only)

PULSE provides two views for the inventory list — **Table** and **Cards** — each with its own way of organizing ingredients.



- **Table view:** Select a column header to sort the list by that column.
- **Cards view:** Select an option in **Sort By** at the top right of the page to change the sort order.

Use the toggle to switch between views.

Viewing Inventory Information

Inventory information is displayed at two levels: a summary view showing key details at a glance, and a details view with the full picture including recent transaction history.

From PULSE (Web)

Navigate to **FeedComp > Inventory** and select the **Overview** tab. The Overview tab displays a summary of each tracked ingredient's current stock levels.

- **Cards view:** Displays ingredient information as individual cards.
- **Table view:** Displays ingredient information in a list format with sortable column headers.

Each ingredient entry shows:

- **Ingredient Name:** Displayed at the top left of the card.
- **Type:** Shown as a color-coded label.
- **Location:** The storage location where the ingredient is kept.
- **On-Hand Amount:** The current amount available in inventory.
- **On-Hand Tons:** The on-hand amount converted to tons (or metric tons, depending on dairy settings). This is displayed alongside the **On-Hand Amount** column (which shows in the base unit like lbs or kg), giving users a quick view of both measurements without having to calculate.
- **Days Left:** The estimated number of days before the on-hand amount is depleted. See Days Left for more information.
- **Tracked:** An indicator showing whether inventory tracking is active for that ingredient-location. A checkmark (✓) means tracking is active. This is the visual equivalent of the "Track this Location" toggle — only tracked ingredients have their inventory actively managed in FeedComp.
- **DM%:** The dry matter percentage.
- **AF Cost/Ton:** The as-fed cost per ton.
- **Recent Transactions:** A summary of delivery and usage amounts, as-fed cost per ton, and dry matter percentage over the past 7 days.

Ingredients are color-coded to indicate supply levels — green (more than 30 days), yellow (less than 30 days), or pink (less than 15 days).

From the Mobile App

Navigate to **Adjustments > Inventory**. On this screen, a **Low Inventory** banner displays at the top showing the count of items running low (e.g., "Low Inventory (13 items)"). Tap the banner to view a scrollable list of just those items. Below the banner are two options — **Inventory** and **Vendors**.

Tap **Inventory** to view your tracked ingredients. Ingredients are displayed as cards with a search field above them for filtering by name. The mobile app does not offer a table view.

Tap a card to view its details. The details screen shows the ingredient's location, on-hand amount, and a Past 7 Days Overview summarizing recent inventory activity. For a full list of inventory fields and their descriptions, see the PULSE section above.

At the bottom of the details screen, two options are available:

- **Physical Inventory Adjustment** — Tap to record a manual adjustment to the ingredient's on-hand amount.
- **Create Transaction** — Tap to record a delivery or pickup.

See Create a Transaction for full instructions on both.

Important Considerations

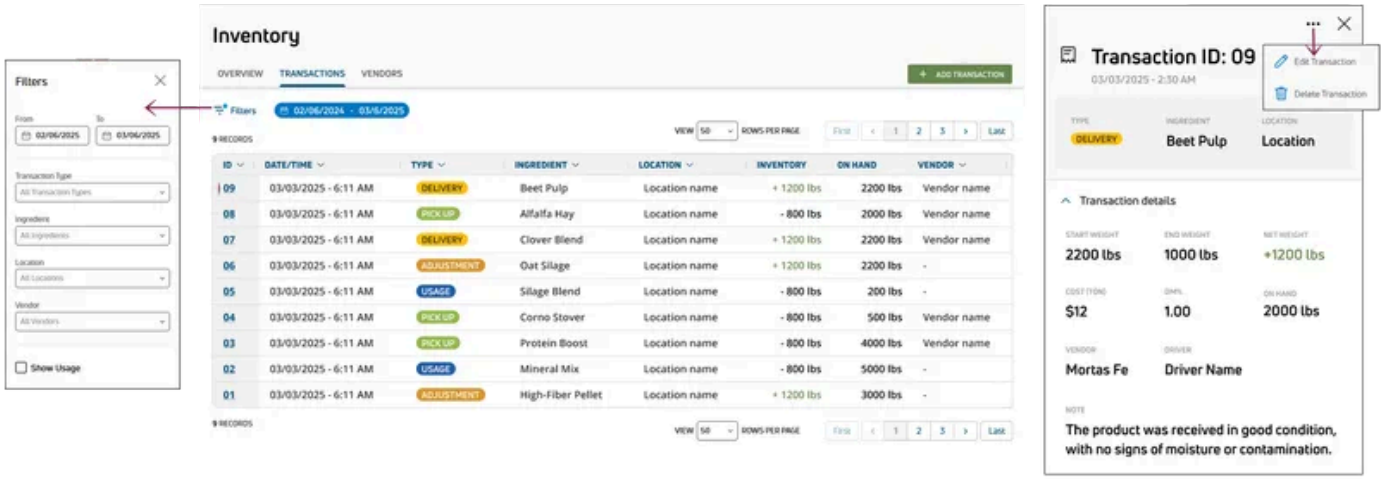
Keep the following points in mind when viewing inventory.

- Only ingredients with location tracking enabled are included in your Inventory. See Manage Ingredient Locations to learn more about enabling tracking.
- Amounts are displayed in pounds or kilograms based on the unit of measure specified in your Dairy Info and User Account settings.
- For definitions of transaction types, low inventory indicators, and Days Left, see Inventory.

6.4.2. View Transaction Details

The Transactions tab on the Inventory page provides a complete history of all inventory changes, including deliveries, pickups, adjustments, and usage. You can search, filter, and sort the list, and open any transaction to view its full details. For definitions of each transaction type, see Transaction Types to learn more.

> 🗒️ **NOTE:** Transaction details are only available on PULSE. In the mobile app, you can view a summary of recent activity in the **Past 7 Days Overview** on the ingredient details screen.



Searching and Filtering Transactions

Select **Filters** at the top left of the Transactions tab to open the Filters side panel. The following filter options are available:

- **From / To:** Limit the list to a specific date range.
- **Transaction Type:** Select one or more types. You can also type directly in the field to search.
- **Ingredient:** Select one or more ingredients. You can also type directly in the field to search.
- **Location:** Select one or more locations. You can also type directly in the field to search.
- **Vendor:** Select one or more vendors. You can also type directly in the field to search.
- **Show Usage:** Check this box to include usage transactions in the list. Usage transactions are hidden by default.
- Select **Clear Filters** to reset all applied filters.

Select an option in **Sort By** at the top right of the page to change the sort order. Select an option in **View Rows Per Page** to change how many records are displayed, and use the navigation controls to jump to a specific page.

Viewing a Transaction

Select a transaction **ID** in the table to open the Transaction Details side panel. The top of the panel displays:

- **Transaction ID:** The unique identifier for the transaction.
- **Date/Time:** The date and time the transaction was created.
- **Type:** The transaction type, color-coded for quick identification.
- **Ingredient:** The ingredient associated with the transaction.
- **Location:** The location where the transaction took place.

The remaining details vary by transaction type.

Delivery and Pickup Transactions:

- **Start Weight:** The weight of the truck before the delivery or pickup.
- **End Weight:** The weight of the truck after the delivery or pickup.
- **Net Weight:** The difference between Start Weight and End Weight.
- **DM Cost:** The as-fed cost for the ingredient.
- **DM%:** The dry matter percentage.
- **On Hand:** The current amount available after the transaction.
- **Vendor:** The vendor associated with the transaction.
- **Driver:** The driver associated with the transaction.
- **Cost:** The total cost of the delivery or pickup.
- **Note:** Any additional notes.

Adjustment Transactions:

- **Adjustment On Hand:** The amount added to or removed from inventory.
- **DM Cost:** The current as-fed cost and the cost prior to the adjustment.
- **DM%:** The current dry matter percentage and the percentage prior to the adjustment.
- **On Hand:** The current amount available after the adjustment.
- **User:** The user who performed the adjustment.
- **Note:** Any additional notes.

Usage Transactions:

- **Usage Amount:** The ingredient amount used for the feeding.
- **DM Cost:** The as-fed cost for the ingredient.
- **DM%:** The dry matter percentage.
- **On Hand:** The current amount available after the usage.
- **Feeding:** The name of the feeding.
- **Feeder:** The feeding technician who loaded the ingredient.
- **Cost:** The total cost of the ingredient used.

Important Considerations

Keep the following points in mind when viewing transactions.

- Amounts are displayed in pounds or kilograms based on your User Account settings.
- Usage transactions are only visible when the **Show Usage** filter is checked.
- To create a new transaction, see Create a Transaction.
- To edit or delete a transaction, see Edit or Delete a Transaction.

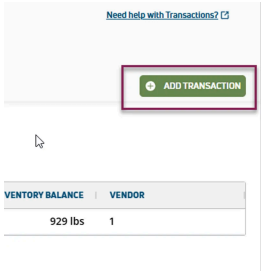
6.4.3. Create a Transaction

Transactions record changes to your ingredient inventory. You can create three types of transactions manually: deliveries, pickups, and physical inventory adjustments. Usage transactions are created automatically by FeedComp as feedings are completed. For definitions of each transaction type, see Transaction Types.

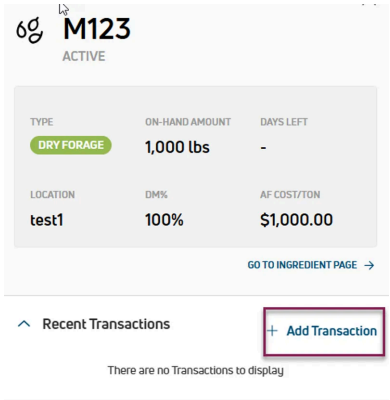
From PULSE (Web)

You can create a transaction from the **Overview** tab or the **Transactions** tab on the Inventory page.

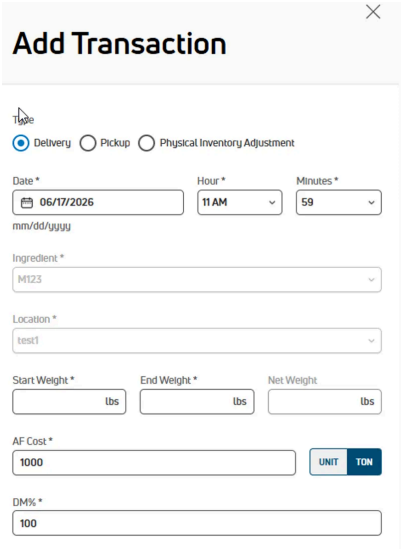
1. Open the Add Transaction side panel:
   - From the **Transactions** tab, select **Add Transaction** at the top right of the page.



   - From the **Overview** tab, first open the ingredient details — select the **Details** link on a card (Cards view) or select the ingredient name (Table view) — then select **Add Transaction** in the side panel.



2. Select **Add Transaction** at the top right of the page. The **Add Transaction** side panel opens.



3. Select the transaction **Type**: **Delivery**, **Pickup**, or **Physical Inventory Adjustment**.
4. Select the **Date**, **Hour**, and **Minutes** the transaction occurred. Today's date and the current time are defaulted for you.
5. Select the **Ingredient** associated with the transaction.
6. Select the **Location** where the transaction took place.
7. Enter the amount:
   - For **Delivery** or **Pickup**: Enter the **Start Weight** and **End Weight**. The **Net Weight** calculates automatically.
   - For **Physical Inventory Adjustment**: Enter the **Adjustment Amount** and select **Unit** or **Ton**.
8. In **DM Cost**, enter the as-fed cost of the ingredient and select **Unit** or **Ton**.
9. In **DM%**, enter the dry matter percentage of the ingredient.
10. For **Delivery** or **Pickup** only: Select the **Vendor** and enter the **Driver** name.
11. In **Note**, add any additional notes about the transaction.
12. Select **Save**.

> 💡 **TIP:** Amounts are displayed in pounds or kilograms based on the unit of measure specified in your Dairy Info and User Account settings.

From the Mobile App

On the mobile app, you create transactions from the ingredient details screen.

1. Under **Adjustments**, tap **Inventory**. On the next screen, tap **Inventory** again to view your ingredient cards. Tap the ingredient card you want to create a transaction for.
2. Choose the type of transaction:
   - Tap **Create Transaction** to record a **Delivery** or **Pickup**.
   - Tap **Physical Inventory Adjustment** to record a manual adjustment.
3. Add the transaction details, then tap **Save** at the bottom of the screen.

> 🗒️ **NOTE:** Before creating a delivery or pickup, a vendor must be assigned to the ingredient. See Vendors to learn more.

Important Considerations

Keep the following points in mind when creating transactions.

- FeedComp updates your recipes and feedings automatically when transactions are created or when the DM% of an ingredient changes.
- Usage transactions are created automatically as feedings are completed and cannot be created manually. They are only visible on the web when the **Show Usage** filter is checked.
- FeedComp supports offline mode on the mobile app. Transactions created while offline are saved locally and applied automatically once your device is back online. See Mobile Connection Status for more information.
- To view, edit, or delete an existing transaction, see View Transaction Details or Edit or Delete a Transaction.

6.4.4. Edit or Delete a Transaction

You can edit a transaction to correct details like weights, costs, or dates, or delete a transaction that was created in error. Both actions are available from the Transactions tab on the Inventory page.

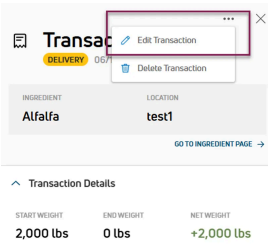
⚠️ **IMPORTANT:** The following transactions cannot be edited or deleted:

- WeighComp-approved transactions
- Transactions created from WeighComp
- FeedComp transactions older than 6 months
- System transactions (created automatically when tracking is turned off)

See WeighComp Transaction Management for more information.

Edit a Transaction

1. Navigate to the **Transactions** tab on the Inventory page.
2. Select a transaction **ID** in the table. The Transaction Details side panel opens.
3. Select the **Options** button (⋯) at the top right of the side panel and select **Edit Transaction**. The Edit Transaction side panel opens.



4. Update the information as needed.
5. Select **Save**. FeedComp automatically recalculates inventory from this transaction forward and updates the ingredient's current on-hand amount.

Delete a Transaction

1. Navigate to the **Transactions** tab on the Inventory page.
2. Select a transaction **ID** in the table. The Transaction Details side panel opens.
3. Select the **Options** button (⋯) at the top right of the side panel and select **Delete Transaction**. A confirmation message displays.
4. Select **Delete**.

Important Considerations

Keep the following points in mind when editing or deleting transactions.

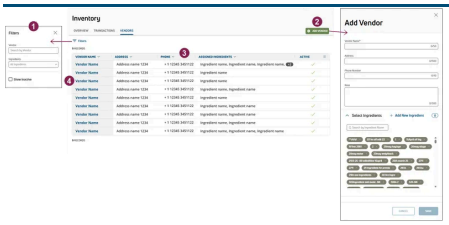
- FeedComp automatically recalculates inventory levels when a transaction is edited or deleted.
- To view transaction details before making changes, see View Transaction Details.
- To create a new transaction, see Create a Transaction.

6.5. Vendors

Vendors in FeedComp represent the suppliers you purchase feed ingredients from. Each vendor can be linked to one or more ingredients, making it easier to manage sourcing, track ingredient availability, and keep feeding workflows organized.

This article explains how to work with vendors in FeedComp, including how to search and filter the vendor list, create and update vendor records, assign ingredients, and activate or deactivate vendors as needed. Use the tabs in this article to view instructions for the **Web** or **Mobile** experience.

Web



Follow the guidelines below when working with vendors:

1. **Search and Filter the Vendors List**
2. **Create New Vendor**
3. **View Vendor Details**
4. **Edit, Deactivate, or Reactivate Vendors**

Mobile

You can manage FeedComp vendors on the **Adjustments** screen. Active vendors are displayed by default. Tap the **Inactive** filter to see more.

> **TIP:** Tap the pin icon to keep your favorite vendors at the top of the **Vendors** screen! Vendors can provide more than one ingredient. See Assign Ingredients to a Vendor to learn more.

Expand the sections below to learn more:

- **Create New Vendor**
- **Edit Vendor**
- **Deactivate Vendor**
- **Reactivate Vendor**
- **View or Update Vendor Notes**
- **Assign Ingredients to a Vendor**
- **Search, Sort, and Filter the Vendors List**

7. Manage Feedings

Delivery Steps

Feedings and schedules allow FeedComp to organize daily work, guide feeders through each load, and record feeding activity.

See Create and Schedule Feedings to get started.

You can also create unscheduled (batch) feedings and use leftover feed (weighbacks) from previous feedings. See the topics below to learn more:

- Batch Feedings
- Manage Weighbacks

FeedComp tasks are split between PULSE and the mobile app. View the table below to see where you can perform each task.

Setup Task	Web (PULSE)	Mobile App	Notes
Schedule Feedings	✅	✅	Adjust order, split feedings, or update details as plans change.
Batch Feedings		✅	**Mobile-only:** Used for feedings not already on the schedule.
Manage Weighbacks	✅	✅	Use Filler Loads to pick up and reuse leftovers as the first ingredient.

7.1. Create and Schedule Feedings

Scheduled feedings drive the daily feeding workflow in FeedComp. You can create feeding plans in PULSE or the mobile app, and feeders follow the schedule step-by-step in the mobile app to keep feeding consistent across shifts.

Each scheduled feeding defines the recipe, pens, equipment, and total feed required. FeedComp automatically calculates feed amounts and handles split feedings, making even complex feeding plans easy to manage.

To build a feeding, you will define which **recipe** to use, which **pens** to feed, which **equipment** to use, and the total **feed** amount required:

- **Recipe**: The recipe or premix you choose for a feeding determines how much ingredient inventory needs to be loaded and mixed.
- **Pens**: When you assign one (or more) pens to a feeding, FeedComp counts the animals in the pen to determine how much feed is needed. If you assign more than one pen to a feeding, you can also change the feeding order between pens.
- **Equipment**: Select your equipment. FeedComp automatically determines your mixer capacity once equipment and recipe are selected. If your feed amount exceeds your mixer capacity, FeedComp automatically splits a feeding into multiple loads.
- **Feed Amount Calculations**: Enter the values for DM/HD (dry ingredients per head) and AF (dry and wet ingredients per head). This helps FeedComp accurately calculate the actual feed amount.
- **Split Feedings (if applicable):** Feedings are split automatically when a feeding exceeds mixer capacity, so you don't have to manually calculate how much feed can be distributed in a single run. The system automatically divides the load into equal parts, recalculates ingredient amounts for each split, and updates pen counts accordingly. Split feedings are identified by a split feeding icon

---

See the topics below to learn more.

- Add or Edit a Feeding
- Manage Scheduled Feedings
- Split Feedings
- View Completed Feedings
- Activate or Deactivate Feedings

7.1.1. Add or Edit a Feeding

On PULSE (web), create a feeding by opening **FeedComp** > **Feedings** > **Add Feeding** in the upper right corner**.** On the FeedComp app (mobile), create a feeding by opening **Adjustments** > **Feeding** > **Create Feeding**.

Follow the steps below to continue:

1. Add the **Feeding Name**.
2. Select the Equipment to use for the feeding.
3. Select the Recipe to use for the feeding. If a premix was selected, enter the **Load Size**.

   > **TIP:** Once the **Equipment** and a **Recipe** are selected, the **Mixer Capacity** for the feeding is calculated and displayed.

4. Select one or more pens to assign. If you select more than one pen, you can reorder the feeding schedule.
5. Enter the dry matter per head (DM**/HD Amount**) or as-fed amount (AF **Amount**) for each pen.

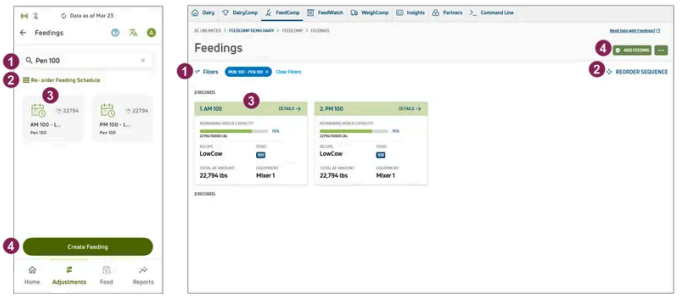
   > **NOTE:** If the mix amount for the feeding exceeds the capacity of the mixer, an **Overcapacity** banner is displayed. If you continue adding the feeding, the mix is split into multiple feedings.

6. Add the feeding to the feeding schedule.

7.1.2. Manage Scheduled Feedings

On web (FeedComp on PULSE) and mobile (the FeedComp app), feeding cards represent each scheduled feeding for the day. You can quickly swipe and scroll through the cards to view the day's feeding schedule.

1. **Search** or **Filter** feedings to instantly sort through specific feedings.
2. **Reorder** the sequence in which the feedings are completed if conditions change.
3. **Cards** show key details—such as the recipe, mixer, total feed amount, and split status—so feeders can quickly understand what needs to be done.
4. **Add** a new feeding directly on the web or your mobile app. See Add or Edit a Feeding to learn more.



7.1.3. Split Feedings

FeedComp automatically splits feedings when it recognizes that a recipe load exceeds the mixer capacity. FeedComp can split feedings when adding or editing feedings, changing pen or feeding counts, or changing equipment.

When splitting a feeding, FeedComp divides the load into equal parts, recalculates ingredients, and updates pen counts for you. By removing the need for feeders to calculate splits manually, this feature reduces errors, improves efficiency, and helps protect equipment from overload.

Split Feedings are identified with a split feeding icon in the feeding schedule:

Can I make changes before starting a split feeding?

✅ Yes, if you have not started any of the split loads yet, you can still change equipment, recipe amounts, or pen counts.

FeedComp will **automatically recalculate** the splits based on the total AF amount and the selected equipment capacity:

- If the equipment **is large enough** to hold the **full load**, FeedComp combines it into **one load**.
- If the equipment **is not large enough**, FeedComp **re-splits it into equal loads**, sized for that mixer.

In both cases, the feeder should follow the updated loads shown on the feeding schedule.

What if I need to make changes after I start feeding?

After you have started one or more of the split loads, FeedComp will only allow **equipment changes**.

- ✅ If you change to a larger mixer and the **total remaining AF amount** fits safely in the selected mixer, FeedComp combines the remaining amount into one load. The feeder can then complete the remaining load from the feeding schedule.
- ✅ If you change to a larger mixer that **does not have enough capacity** to hold the total remaining AF amount, FeedComp does not make any changes to the remaining splits. The feeder can finish them as indicated on the feeding schedule.
- ❌ If you change to a mixer that is **too small to safely hold the remaining splits**, FeedComp **does not recalculate the load or splits**. It displays an **Equipment Overcapacity** ❗ warning for all remaining splits that exceed the new equipment capacity. Consider aborting the remaining loads and creating a new feeding for the remainder of the mix, or manually recalculating safe batch sizes to finish the load with the smaller equipment.
- ❌ If you change recipe amounts or pen counts **after** you have already started one or more of the split loads, FeedComp will **not** recalculate the splits.

7.1.4. View Completed Feedings

After you are done feeding, you can view the Feed History Report Card on mobile or the Feed History Report on web to quickly view a snapshot of which feedings were successfully completed and which ones weren't. See Feed History Report to learn more.

> 💡 **Tip: Check the "Reset Time" Gap**
>
> If you completed loads offline yesterday but didn't sync until after your farm's "Reset Time" (e.g., 1:00 AM), those loads might not appear on today's dashboard immediately after syncing.
>
> **Before troubleshooting a "Missing" load:**
>
> 1. Go to **Reports -> Feeding History**.
> 2. Check the date the feeding actually occurred.
> 3. If the data is there, your load is safe! The web dashboard may just need additional time to reconcile the offline data with the current date's report.

7.1.5. Activate or Deactivate Feedings

You can activate or deactivate a feeding at any time. Deactivating a feeding removes it from the active feedings list and prevents it from being included in daily feeding workflows. Existing feeding data and history are retained, but inactive feedings are not available for use until they are reactivated.

> 🗒️ **NOTE:** Activating and deactivating feedings is only available from PULSE (Web).

Deactivate a Feeding

1. Navigate to the **Feedings** page.
2. Select the Details link at the top right of the feeding card.
3. Select the Options button ··· at the top right of the page.
4. Select **Deactivate Feeding**, and confirm the selection.

Reactivate a Feeding

1. Navigate to the **Feedings** page.
2. Select **Filters** at the top left of the page, then check the **Show Inactive** box to include inactive feedings in the list.
3. Select the **Details** link at the top right of the feeding card you want to reactivate.
4. Select **Activate Feeding**, and confirm the selection.

7.2. Batch Feedings

Batch feedings are ad-hoc feedings created outside of your dairy's main feeding schedule. They are used when feed is needed outside normal planning, such as unexpected feedings or one-off situations.

Batch feedings still use existing recipes and equipment constraints to ensure consistency with your normal feeding operation. These feedings are created and completed from the FeedComp mobile app, allowing feeders to respond quickly while keeping feed data accurate.

Required Setup

Tap **Feed** at the bottom of the screen, and then tap **Batch Feeding** to record an unscheduled feed drop to one or more pens.

Expand the sections below to learn more:

Batch Feedings

Skip or Ignore during Batch Feedings

Abort a Batch Feeding in Progress

7.3. Manage Weighbacks

A weighback—also called a "refusal" or "cleanup"—is the feed left over in the feeding area from a previous day. FeedComp allows you to capture the weight of these leftovers to ensure your records reflect what the animals actually consumed, rather than just what was delivered.

🗒️ **NOTE:** See Weighbacks to learn more.

Capturing weighbacks helps reduce waste and improve accuracy in your feeding records. When a weighback is created for a previous feeding, FeedComp automatically adjusts dry matter intake to reflect what was not consumed. For example, if 200 pounds of feed is left in a pen and collected the next day, that amount is subtracted from the prior day's intake, ensuring the DM Intake Report reflects true consumption. See Target DM and Feeding Amounts to learn how FeedComp uses dry matter values when calculating feeding amounts and intake.

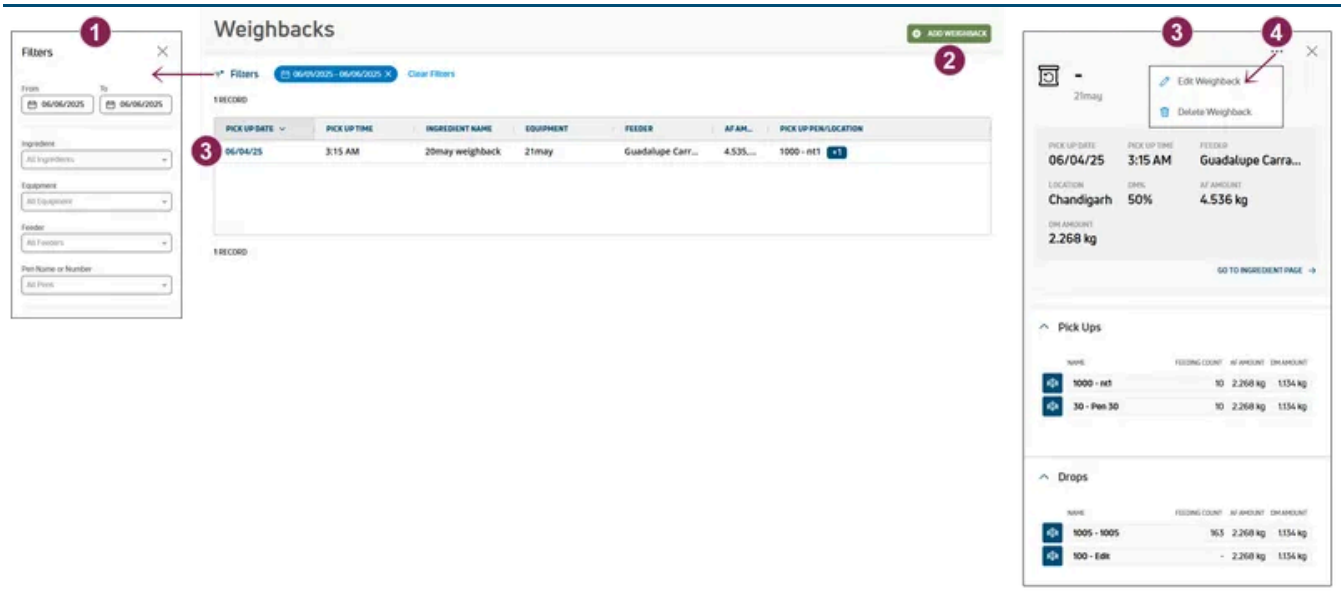
Depending on your setup, leftovers can be added to other pens or locations, used as a filler load in a recipe, or sold. Before you head out to the pens, use the table below to decide which workflow best fits your needs:

If you want to...	Use this Method	Key Benefit
Add leftovers into a **new, scheduled mix**	**Filler Load**	Maintains nutritional balance while recycling nutrients.
Move leftovers to a **different pen or storage**	**Weighback-Only Pick Up**	Quickly clears feeding areas; ideal for feeding heifers or culls.
Track leftovers for **resale or disposal**	**Weighback-Only Pick Up**	Keeps inventory accurate even if the feed leaves the farm. See On-Hand Amount to learn more about ingredient quantities and inventory tracking.

💡 **TIP: Avoid Manual Adjustments**

Instead of changing pen counts to absorb leftovers, use a **Filler Load**. Filler Loads pick up leftovers first and automatically recalculate the rest of the recipe — no manual math or pen count changes needed.

Web



NOTE: Please note that you can only create, edit, or delete Weighback-Only Pick Ups in FeedComp on PULSE. You can create Filler Loads in the FeedComp App.

Expand the sections below to learn more:

1 ⌄ **Search and Filter the Weighbacks List**

2 ⌄ **Create New Weighback**

3 View Weighback Details

4 Edit or Delete Weighbacks

Mobile

Required Setup

Filler Load

Weighback-Only Pick Up

Skip or Ignore during Weighbacks

Abort a Weighback in Progress

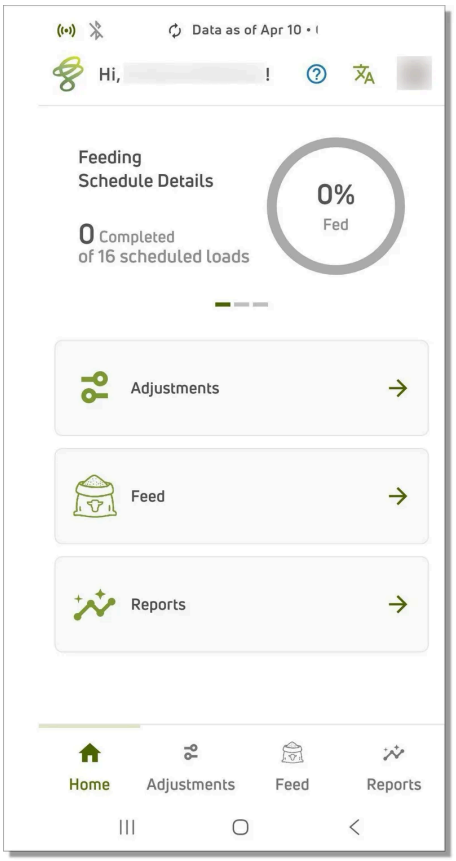
View Past Weighbacks

Restart Incomplete Weighback

Delete Weighback

8. Feed Using the App

💡 **First time using the mobile app?** Be sure to Configure Mobile App Settings before you attempt to start feeding!



The FeedComp app is your tool for completing the daily feeding schedule. It guides you through loading and dropping, while tracking weights, progress, and timing to ensure accurate, consistent feeding. The mobile app is designed for quick, easy, and efficient use by feeders. It focuses on the tasks feeders perform most often, with minimal navigation.

Before feeding, make sure your device is connected to the correct scale. See Configure and Connect the Scale to learn more.

The **feeding schedule** at the top of the mobile app home page gives an at-a-glance view of the day's work.

- **Swipe left and right** to view all feedings scheduled for **today**.
- Each feeding is displayed in sequence, making it easy to see what needs to be done next.

Quick access options in the middle and bottom of the home page take you straight to common tasks. See the topics below to learn more.

See Loading and Dropping for detailed instructions on completing feedings using the mobile app.

Adjustments

Tap the **Adjustments** option to quickly adjust feeding components while out on the farm, including:

- Pens
- Ingredients
- Recipes
- Feedings
- Equipment
- Inventory
- Locations

Feed

Tap the **Feed** option to view or adjust feedings and the feeding schedule, create Batch Feedings, and use Manage Weighbacks.

Reports

Tap the **Reports** option to take a quick look at your feeding history, ingredient usage, error reports, and other information on completed feedings. See View Reports for more information. For details about completed feedings and feeding activity, see Feed History Report.

8.1. Video: How to Feed in FeedComp

8.2. First Time Using the App

If you're new to feeding with FeedComp, this article walks you through the basic steps to log in and complete your first feeding using the mobile app. You'll learn how to sign in, select the correct device and feeding type, and move through the feeding workflow from mixing to dropping.

⚠️ **IMPORTANT:** Before you begin, make sure you have:

- A dedicated email address
- A password
- User permissions that allow you to mix feed in FeedComp
- A device with FeedComp installed that is NOT set to lock

If you do not have these, contact the farm owner or feed manager before continuing.

Also, before completing your first feeding, make sure the mobile app has been configured correctly. See Configure Mobile App Settings for setup instructions.

Log into FeedComp

Start a Feeding

Video: How to Feed in FeedComp

8.3. Loading and Dropping

Required Setup

A successful feeding cycle begins with loading and mixing ingredients and then dropping it to one or more pens. Using the FeedComp mobile app ensures that your rations are mixed accurately and delivered to the right pens.

> ⚠️ **IMPORTANT:** Do NOT lock your device while using FeedComp. Keep the app running on the screen at all times while actively feeding. Avoid closing the app or opening other apps while feeding.

Loading and dropping can only be completed in the mobile app. To get started:

1. Tap **Feed** at the bottom of the mobile app
2. Select **Feeding Schedule** to view the required feedings for the day. To manage or edit the feedings in your list, see Create and Schedule Feedings.
3. Select a feeding to begin loading.

> ⚠️ **IMPORTANT:** Avoid connectivity changes while a feeding is in progress or while the app is syncing data.
>
> - If your feeding route passes through areas with WiFi coverage, consider disabling WiFi on your device before starting a feeding. WiFi auto-reconnect can trigger a data refresh that may interrupt an active feeding.
> - Do not switch the device to offline mode while the app is still refreshing or syncing data, even if the refresh is taking longer than expected. Interrupting a sync mid-process can result in inconsistent local data and may prevent you from starting a mix.

Expand the topics below to learn more.

Load Ingredients

Drop the Mix

Use Loader View (BETA)

Mix Overnight Loads

View Completed Feedings

8.4. Set Up Loader View (BETA)

Required Setup

Use Loader View to monitor and manage the loading of ingredients from a second mobile device while you're out feeding. Loader View lets the person operating the physical loader (tractor or payloader) use the second mobile device to see ingredient targets, track loading progress, and advance or pause feedings in real time — without walking over to the mixer device.

A Loader View setup uses two mobile devices:

- **Mixer device** — the primary phone or tablet, mounted in or near the mixer, connected to the scale. Controls the overall feeding workflow.
- **Loader device** — a second phone or tablet carried by the loader operator. Connects to the mixer device via Bluetooth to mirror loading actions.

> 💡 **TIP:** Bluetooth must be enabled on both devices. For best results, use devices dedicated to FeedComp (avoid pairing earbuds, smartwatches, or truck audio on the same device, since those connections can take priority and disrupt Loader View).

Follow the steps below to enable and start using Loader View:

Add Loader Equipment in FeedComp

Choose Loader Equipment in FeedComp

Pair Loader View Devices via Bluetooth

Connect Loader Device to Mixer Device in FeedComp

Load Ingredients into the Mixer

Abort a Feeding in Progress

8.5. Use Overnight Loads

An overnight load lets you start loading a feeding today and then finish and drop it tomorrow. It's useful when you want a head-start on busy mornings or want to split loading across shifts.

Overnight loads are marked in the feeding schedule by this icon .

> ⚠️ **IMPORTANT:** Once you start an overnight load, be aware that the **equipment stays locked** to the overnight load until it's finished or cancelled. This means that you **cannot use the same equipment to complete any other feedings** until the overnight load is completed the following day. If you connect to and attempt to feed using equipment containing an overnight load, an overnight load notification with a red alert icon is displayed.

If you started an overnight load by mistake or need to cancel one, use the **Cancel/Abort** option on the overnight load screen. This will end the overnight load and **unlock the equipment**.

Follow the steps below when using overnight loads.

Start an overnight load (today)

1. Open **Feed → Feeding Schedule** in the mobile app.
2. Tap **Overnight Load**.
3. Select **tomorrow's feeding** that you want to begin preparing today.
4. Start loading ingredients as you normally would.

Pause for overnight

1. While loading, tap **Resume Tomorrow** at the bottom of the screen to pause until tomorrow.
2. Confirm to pause.

What happens:

- The load is saved as **Paused**.
- Ingredient usage loaded so far is recorded.
- The selected equipment remains **locked** for this overnight load.

Resume and complete (tomorrow)

1. Connect to the **same equipment**.
2. Open **Feed → Feeding Schedule → Overnight Load**.
3. Select the **paused** load .
4. Tap **Continue Mix** to finish loading.
5. **Drop** the feed and complete the feeding as usual.
   In the Feed History Report list, overnight loads are listed on the date they are completed.

Cancel an overnight load

If you started an overnight load by mistake or need to cancel one, use the **Cancel/Abort** option on the overnight load screen. This will end the overnight load and **unlock the equipment**.

Troubleshooting tips

- If you can’t start a feeding, check whether an **overnight load is paused** on that equipment.
- If a load won’t resume, verify you’re connected to the **same mixer/scale** used to start it.

8.6. Data Sync between Mobile and PULSE

As long as the app has an active data connection, changes between the app and PULSE stay synchronized. If your mobile devices leaves wifi range or loses its data connection, you can continue to feed in Mobile Connection Status, and PULSE will update as soon as your data connection is re-established.

> ⚠️ **IMPORTANT:** Do not switch the device to offline mode while the app is still refreshing or syncing data, even if the refresh is taking longer than expected. Interrupting a sync mid-process can result in inconsistent local data and may cause issues such as being unable to start a mix.

To see when your data was last synced, check the top of the mobile app screen, or use the to pull down the latest from PULSE web. The web version controls all FeedComp data except for feeding numbers and inventory amounts/usage; the mobile app takes precedence as the source for those details.

If your dairy has set Editing Restrictions, you will not be able to make changes to feedings from web during the restricted times.

8.7. Mobile Connection Status

To check your current connection status, view the upper left corner of the app screen:

- **Online:** You are connected. Your loads and drops sync to PULSE (and the office) in real-time.
- **Offline:** Your device is offline and you can **continue feeding as usual**. FeedComp saves your progress locally and will automatically sync your data after you reconnect.

> 💡 **TIP:** VAS recommends syncing your device while on WiFi **before and after feeding** if you are planning to operate in offline mode. If your feed bunk or mixing area lacks coverage, a cellular tablet or WiFi range extender can help. See the Pre-Installation Checklist for details.

Before going offline:

- Check your connection status before leaving the office.
- Make sure your Worklist is fully loaded before heading to remote pens.
- Some buttons (for example, **Sync Now**) are disabled while offline and will return once a connection is restored.

> ⚠️ **IMPORTANT:** Do not switch the device to offline mode while the app is still refreshing or syncing data, even if the refresh is taking longer than expected. Interrupting a sync mid-process can result in inconsistent local data and may cause issues such as being unable to start a mix.

While offline:

- Completing a feeding does not update the On-Hand Amount.
- Creating a transaction or making a physical inventory adjustment may cause **On-Hand Amount**, **DM%**, and **AF Cost** values to display inaccurately.
- Editing an ingredient does not update its details in your dairy's Inventory.

Once your device is back online:

- All data is refreshed and your dairy's inventory is updated.
- Any feedings and adjustments created offline are displayed in PULSE and other mobile devices, including:
  - Feeding usage
  - Ingredient delivery or pickup
  - Inventory adjustment

Troubleshoot Connection Issues

Follow these steps to troubleshoot and restore the connection and ensure your feeding data is saved:

1. **Check Internet Connectivity:** Ensure the mobile device has an active WiFi or cellular network connection. Open a web browser on the device to verify access.
2. **Force a Manual Sync:** Open the FeedComp app and navigate to the main dashboard. If the app is open but not syncing, try closing the app completely and restarting it to trigger a new connection.
3. **Verify App Version:** Ensure you are running the latest version of the FeedComp app. Outdated versions may fail to send the required heartbeat data to PULSE.

4. **Review Power Settings:** Ensure the device is not in a "Low Power" or "Battery Saver" mode that might be restricting background data usage or preventing the app from communicating with the cloud.

.

8.8. FeedComp Mobile App vs PULSE

The table below identifies the tasks you can complete in FeedComp on PULSE and the mobile app. For all tasks that can be completed on both platforms, changes remain synchronized while the mobile app has an active data or WiFi connection. If the mobile app goes offline, changes will sync from mobile to PULSE and vice versa once the app is back online.

Task	Web (PULSE)	Mobile App	Notes
Install the FeedComp App		✅	Mobile-only initial log-in.
Configure Mobile App Settings		✅	App-specific preferences & language.
Configure and Connect the Scale		✅	Requires Bluetooth pairing out on the farm.
Configure FeedComp Settings on PULSE	✅		Manage system-wide FeedComp settings and user permissions.
Locations	✅	✅	Define where feed ingredients are stored on the dairy.
Equipment	✅	✅	Define the the mixers and scales used to prepare feedings in FeedComp.
Pens	✅	✅	Pen counts are used to calculate daily feed amounts.
Ingredients	✅	✅	Each ingredient is linked to specific storage locations (bays, piles, or lots).
Recipes	✅	✅	Define what each animal group is fed and in what amounts.
Inventory	✅	✅	Record deliveries and make adjustments.
Vendors	✅	✅	Manage where feed comes from and which ingredients are available.
Manage Feedings	✅	✅	Create and schedule feedings and add special ingredients, such as premixes and weighbacks.
Create and Schedule Feedings	✅	✅	Adjust order, split feedings, or update details as plans change.
Batch Feedings		✅	Used for feedings not already on the schedule.
Manage Weighbacks	✅	✅	Use Filler Loads to pick up and reuse leftovers as the first ingredient.
Feed Using the App		✅	Start a feeding, load ingredients, and drop to pens.
Set Up Loader View (BETA)		✅	Connect your loading device to your feeding device, so any operations on your feeding device are mirrored on your loading device
View Reports	✅	✅	View all FeedComp reports. Note that the Income Over Feed Cost Report is only available in FeedComp on PULSE.

9. View Reports

Use FeedComp reports to review feeding history, monitor errors, track ingredient usage, and analyze feed performance across your dairy. These reports help you verify completed feedings, identify trends, and spot issues that may impact accuracy, cost, or efficiency.

- Feed History Report
- Pen Feed History Report
- Ingredient Usage Report
- DM Intake Report
- Load Error Report
- Drop Error Report
- Projections Report
- Income Over Feed Cost Report (Web Only)

10. FeedComp Training

Check out the following quick videos to help you and your team get started with using FeedComp:

How to Feed in FeedComp

Making Adjustments

Recording Weighbacks

FeedComp Reports Training

11. FeedComp Troubleshooting

Use this section to identify and resolve common FeedComp issues.

- Device does not connect to scale
- Scale connection drops if tablet auto-connects to WiFi
- Need to re-enter mixer/scale settings in app before feeding
- Scale weight is reading zero and Bluetooth is connected
- Scale is stuck in "On Hold" mode
- "Bouncing" weights and premature auto-advance
- How to download a log file
- Weight readings on scale fluctuate erratically (bounce)
- I accidentally hit "Finish Load" before unloading feed
- FeedComp is not completing a drop or advancing to the next pen
- FeedComp App connection issues
- Bluetooth connection issues

12. Feed Glossary

The Feed Glossary provides quick explanations of common FeedComp terms and concepts. If you're unsure how a feature works or want to better understand a feeding-related topic, start here and follow the links to learn more.

Alternate Recipes

An alternate recipe is a backup recipe that can temporarily replace a primary recipe when it can't be made, such as during ingredient shortages and when you need to incorporate leftover feed (weighbacks) to reduce waste.

See Alternate Recipes to learn more.

Automatic Feeding Schedule Reset

The Automatic Feeding Schedule Reset (also called the Start of Day for Feeding) refreshes the feeding schedule for the next day and updates the status of scheduled feedings. This process helps keep feeding schedules and reports aligned with daily operations.

See Feeding Schedule Reset to learn more.

Complete vs. Incomplete Loads

FeedComp marks a load as **Complete** when the feeding has finished successfully and all required loading and dropping information has been recorded. Loads may be marked as **Incomplete** when feeding activity ends unexpectedly or required weight information is missing.

See Complete vs. Incomplete Loads to learn more.

Filler Loads

A Filler Load lets you collect leftover feed (weighbacks) and use it as part of a new scheduled feeding. Unlike a standard weighback pickup, a filler load treats the leftover feed as an ingredient and automatically adjusts the remaining ingredients in the recipe.

See Filler Loads to learn more.

Load Tolerance

Load tolerance defines how close a loaded ingredient must be to its target weight before FeedComp automatically advances to the next ingredient. This helps feeders work more efficiently while maintaining feeding accuracy.

See Load Tolerance to learn more.

Manual Advances

A manual advance occurs when the **Advance** button is used while loading ingredients or dropping feed. Because FeedComp records scale values at the exact moment Advance is selected, using it incorrectly can create inaccurate feeding records or reporting errors.

See Manual Advances to learn more.

On-Hand Amount

The on-hand amount is the total quantity of an ingredient currently available at a specific location for use or sale.

See On-Hand Amount to learn more.

Overnight Loads

An overnight load lets you start loading a feeding today and then finish and drop it tomorrow. It's useful when you want a head-start on busy mornings or want to split loading across shifts.

Overnight loads are marked in the feeding schedule by this icon .

See Overnight Loads to learn more.

Pen Updates

Pen updates let you change pen details (like pen name/type/zone, feeding count, and Target DM/HD) and have those changes flow into the places they matter—feeding calculations, pen availability in workflows, and reporting. Depending on your setup, pen count may be synced from Herd (and read-only) or managed directly in FeedComp; either way, updates to key pen fields help keep scheduled amounts, totals, and daily worklists current.

See Pen Count Updates to learn more.

Premixes

Premixes let you define and manage blends (such as mineral or supplement mixes) as reusable building blocks inside your recipes. Instead of recreating the same combination of ingredients in multiple rations, you can set it up once as a premix and use it wherever it's needed. This makes it easier to standardize nutrition and keep recipes clean and consistent.

See Premix Recipes to learn more.

Target DM (Dry Matter)

Target DM (Dry Matter) is the daily dry-matter goal for each animal in a pen. FeedComp uses Target DM values to calculate feeding amounts and help keep feeding goals and schedules aligned.

See Target DM and Feeding Amounts to learn more.

Weighbacks

A weighback—also called a "refusal" or "cleanup"—is the feed left over in the feeding area from a previous day. FeedComp allows you to capture the weight of these leftovers to ensure your records reflect what the animals actually consumed, rather than just what was delivered.

12.1. Alternate Recipes

> 💡 **Tip:** First time using FeedComp? Start Here: Better Feeding Made Simple.

An alternate recipe is a backup recipe that can temporarily replace a primary recipe when it can't be made, such as during ingredient shortages and when you need to incorporate leftover feed (weighbacks) to reduce waste.

Why Use Alternate Recipes?

- **Keep feeding when ingredients run out.** Switch to a pre-approved backup recipe that doesn't use the missing ingredient so you avoid skipped or improvised feedings.
- **Use weighbacks instead of wasting feed.** Build leftover feed (weighback) into a planned alternate recipe to reduce waste, as well as meet nutrition and ration goals.
- **Depend on safe, flexible options.** Alternate recipes are set up ahead of time with clear rules, so you can choose an alternate recipe when you encounter real-world issues, instead of improvising substitutions in the moment.
- **Maintain accuracy and traceability.** FeedComp keeps pen conditions and as-fed amounts consistent when you switch, and clearly shows when an alternate is active and which recipe it's replacing.

Guidelines

FeedComp enforces these guidelines to keep substitutions simple, so it's easy to track what was actually fed and avoid confusion:

- **One Alternate per Recipe:** A primary recipe can only have one alternate assigned.
- **Reusable Alternates:** A recipe can serve as the alternate for multiple different primary recipes.
- **Active Status:** Only active recipes can be assigned as alternates.
- **One-Way Assignment:** If Recipe B is the alternate for Recipe A, Recipe A cannot be the alternate for Recipe B.
- **Alternates Can't Have Active Alternates:** You cannot activate an alternate for a recipe that is already serving as an alternate for something else.
- **Actives Can't Become Alternates While Replacing:** A recipe that is currently replacing another recipe (i.e., its alternate is active) cannot have that alternate activated until it stops replacing the other recipe.

See Alternate Recipes for instructions on assigning and activating alternate recipes.

12.2. Complete vs. Incomplete Loads

💡 **Tip:** First time using FeedComp? Start Here: Better Feeding Made Simple.

Complete vs. Incomplete Loads

FeedComp marks loads as **Complete** if the feeding has a recorded end time and no drops are flagged as incomplete.

If a feeding has no end time recorded, and at least one ingredient or drop has no weight (Actual Weight = 0), it is marked as **Incomplete**. When no weight is registered for an ingredient or drop, that indicates one of two potential issues:

- A data sync error.
- A feeder manually tapped **Advance** before the ingredient was added.

⚠️ To avoid Incomplete loads, do not intentionally advance ingredients before they are loaded to the mixer. Be sure to use the **Ignore** or **Skip** options when loading ingredients if no weight (0) is being added at that time. Using Ignore and Skip allows FeedComp to accurately assess the feed DM and nutritional value, as well as impacts to inventory. See Load Ingredients to learn more about your options while loading.

Currently, incomplete and aborted load data is not reflected in your Inventory or in Ingredient Usage and DM Intake reports.

Missing Loads & Sync Behavior

⚠️ **Known Issue: Offline Syncing**. We are currently investigating an issue where feedings completed in **Offline Mode** may not immediately be included in web reports for the current date after syncing (even if they are included in the previous day's history.

If you sync a device and today's dashboard still shows a load as "Missing" or "Incomplete," check the **Feeding History** for the previous day to confirm the data was received.

💡 **Tip: Check the "Reset Time" Gap**

If you completed loads offline yesterday but didn't sync until after your farm's "Reset Time" (e.g., 1:00 AM), those loads might not appear on today's dashboard immediately after syncing.

Before troubleshooting a "Missing" load:

1. Go to **Reports -> Feeding History**.
2. Check the date the feeding actually occurred.
3. If the data is there, your load is safe! The web dashboard may just need additional time to reconcile the offline data with the current date's report.

Troubleshooting "Empty" Complete Loads

In rare scenarios, a load may be marked as **Complete** while ingredient data is missing. This is often caused by a sync anomaly where the "End Time" was saved, but the specific drop records failed to persist.

If you see "Completed" loads with zero drops:

1. **Verify connectivity:** Ensure the loader device has a strong signal and try a manual resync.

2. **Review Intake Totals:** Cross-check the load totals with the **Daily DM Intake** report.
3. **Contact Support:** If data is missing from reports but you know the load was finished, send the **Farm Name**, **Load ID**, and **Device ID** to our support team for a data reconciliation review.

12.3. Feeding Schedule Reset

> 💡 **Tip:** First time using FeedComp? Start Here: Better Feeding Made Simple.

FeedComp's automatic feeding schedule reset (officially referred to as the **Start of Day for Feeding**) refreshes the feeding schedule every night for the next day. This transition ensures that all feedings from the previous day are cleared and the new day's tasks are populated.

By default, FeedComp restarts the feeding schedule at **12**:00 **AM** in your time zone. During this reset:

- **Schedule Update:** Completed feedings from the previous day are cleared, and the new day's schedule is generated.
- **Mobile App Status:** All feedings are updated to a **Pending** status on the mobile app.
- **Recalculations:** Any pending changes to "splits" (divided feedings) are applied and recalculated.

Important Considerations

- **Time Zone Coordination:** Software releases and system updates are scheduled to minimize disruption to the midnight reset, with particular consideration for Pacific Time Zone farms to avoid interrupting late-night feedings.
- **Start of Day Configuration:** If feeding cards appear late or do not reset as expected, check that the **Start of Day** has not been set to a midday time (for example, 12:00 PM), which can delay card resets.
- **Reporting Impact:** Any feedings left in a **Pending** state from the previous day at the time of the reset are recorded as **Missing** in the Feed History Report.
- **In-Progress Feedings:** If a feeding is in progress during the reset, it is moved back to a **Pending** state for the new day.
- **Permissions:** Accessing or modifying these settings requires the **FeedConfiguration** permission to be assigned to your user profile.

See System Settings for instructions on setting the feeding start time.

12.4. Filler Loads

> 💡 **Tip:** First time using FeedComp? Start Here: Better Feeding Made Simple.

A Filler Load is a special feeding option in FeedComp that lets you collect leftover feed (weighbacks) and use it directly in a new, scheduled mix.

Unlike a standard weighback, where leftovers are just picked up and fed out again, a filler load treats the leftover feed as an actual ingredient. When you add a filler load to a mixer, FeedComp uses it as the first ingredient in the recipe. The system then automatically adjusts the remaining ingredients to keep the correct nutritional balance.

See Filler Load for further instructions on using them.

Why use Filler Loads?

Filler loads help connect good waste management with accurate nutrition.

- **Improve Feed Efficiency:** When you recycle refusals into fresh rations, more valuable nutrients get used instead of thrown away. This helps reduce overall feed costs.
- **Keep Recipes on Target:** FeedComp calculates rations on a Dry Matter (DM) basis. When you add weighbacks, the system automatically adjusts the rest of the recipe. This keeps the final mix on target, no matter how much weighback goes into the mixer.
- **Get Accurate Intake Numbers:** When filler loads come from specific pens, FeedComp updates the previous day's Dry Matter Intake (DMI). The system subtracts the leftovers from the original drop, so you see what the cows actually ate.

Important Considerations

Before working with filler loads, keep these key product behaviors in mind:

- **Recipe Requirements:** A scheduled feeding will only be available for a filler load if its assigned recipe includes a designated "weighback" ingredient. In the FeedComp mobile app, this ingredient must be the first one loaded in the sequence.
- **Location Matters:** If you pick up weighback from a random physical location (like a waste slab) rather than a specific pen, the system cannot recalculate DMI for a specific group of cows because the source of the feed is unknown.
- **Mobile-First Execution:** Filler loads are created and managed exclusively within the mobile app during the feeding process. While you cannot create or edit a filler load from the web interface, you can still create standard weighback records in PULSE for general tracking and history.
- **Data Integrity:** Once a filler load is completed, it is identified in your history with a **FILLER LOAD** label. To protect the accuracy of your feeding and intake reports, these entries cannot be edited or deleted.
- **Offline Visibility:** If you are feeding in an area with poor connectivity, the FeedComp app is designed to display filler load data in offline mode, provided the recipes and ingredients were synced while online.

12.5. Load Tolerance

Load tolerance is the "close enough" amount when loading an ingredient. It tells FeedComp how much weight can be over or under the target before the app auto advances to the next ingredient.

Setting a load tolerance helps you work faster. Instead of trying to hit an exact number with a heavy loader, FeedComp auto advances to the next ingredient once the loaded weight reaches the chosen range. This keeps your loading flow smooth while making sure your animals still get the right mix. You can set a different tolerance for every ingredient in your list.

For example, if you need 1,000 lbs of corn silage and your load tolerance is 100 lbs, FeedComp will auto-advance to the next ingredient once 900 lbs or more is loaded.

See Ingredients for instructions on setting load tolerance in both PULSE and the mobile app.

Choosing the Right Tolerance

Because you can set a unique tolerance for every ingredient, you can balance speed and accuracy based on what you are loading. Consider these two categories:

- **Bulky Ingredients:** For items like corn silage or haylage, a higher tolerance (such as 20–50 lbs) is common. These ingredients make up the bulk of the diet, so a small difference won't hurt the mix, but it will save the feeder a lot of time.
- **Precision Ingredients:** For expensive or high-impact items like minerals and vitamins, a low tolerance (such as 1–5 lbs) is better. Since these are fed in small amounts, accuracy is more important than speed.

Important Considerations

To get the most out of the load tolerance feature, consider the following:

- **Avoid Unintentionally Auto-Advancing ("Skipping") Ingredients:** Always make sure the load tolerance for an ingredient is lower than the smallest amount for it in your recipes. If your load tolerance is higher than the total weight of the ingredient in a recipe, FeedComp will think you are finished loading it before you even start. For example, if you need 400 lbs of an ingredient but your tolerance is set to 500 lbs, the system will auto advance it, which may appear to a feeder as if the app skipped the ingredient entirely.
- **Scale Stability:** If your mixer scale "bounces" or jumps while you are driving or while the load is mixing, a sudden spike in weight might hit the tolerance range and cause FeedComp to auto advance too early.
- **Manual Loading:** If you prefer to confirm every load yourself, you can set the tolerance to "0." This is often used for water or very expensive liquid supplements where you want to see the exact final weight before moving on.

12.6. Manual Advances

If you tap **Advance** while loading ingredients or during pen drops, the system records a manual advance and records the scale weight at that moment.

- **The Recorded Value:** The app records only the amount of an ingredient (in the mixer) or feed (that has left the mixer) up to the second you tapped Advance.
- **The Result:** If you tap Advance while an ingredient is loading, that ingredient is skipped. If you tap Advance while feed is still physically falling from the mixer, any feed dropped after the tap is not applied to that pen. This creates a mismatch between what you intended to add or drop versus what the system officially records.

> ⚠️ **IMPORTANT: Do not tap Advance while an ingredient is loading or feed is still dropping.**
>
> If you need to skip an ingredient due to lack of supply, tap **Ignore** instead. Using Advance incorrectly is a common cause of "Incomplete Load" flags and "Drop Errors" in your reports.

When you tap **Advance**, the system takes an immediate "snapshot" of the scale weight. The app records only the amount of feed that has left the mixer up to that exact second. If you tap the button while feed is still falling, any remaining feed is not credited to that pen. This creates a mismatch between your actual drop and what the system officially records.

Best Advance Practices to Avoid Errors

To keep your feeding history and inventory accurate, follow these guidelines:

- **Wait for the scale to stabilize:** Only tap **Advance** after you have completely finished dropping feed and the scale weight has stopped moving.
- **Prioritize Auto-Advance:** Whenever possible, let the system move to the next ingredient or pen on its own. It automatically advances once you reach the target weight and the scale remains stable within your set tolerance.
- **Use Manual Advance sparingly:** Only use the manual button if the scale fails to trigger an auto-advance—for example, if the scale "bounces" or if you intentionally decide to short-feed a pen. For step-by-step instructions on using the app during a drop, see Feed Using the App.
- **Use Ignore to skip an ingredient:** If you need to skip an ingredient in a recipe due to lack of inventory, use **Ignore** instead of manually advancing.

System Outcomes and Common Scenarios

Using the manual advance can cause issues in your reports:

Scenario	System Outcome	Why it happens
Early Advance	**Incomplete Load**	The manual advance occurs prior to starting the load or drop, so the system records the ingredient or feed weight as 0.
Mid-Drop Advance	**Drop Error**	The recorded weight is significantly different from the target weight, triggering a variance error.
Double Tap	**Zero-Weight Drop, Incomplete Load**	If you tap Advance twice quickly, the ingredient or next pen may be recorded with a loaded/fed weight of 0.

It is also helpful to distinguish between expected system behavior and actual defects:

- **Continuing to drop after advancing:** If you tap **Advance** early but keep dropping feed, the system has already moved its focus to the *next* pen. Any additional feed will be incorrectly credited to that pen.
- **Negative Drop values:** This usually happens if the scale weight increases during a drop—for instance, if the loader shifts or weight is added—when the system expects the weight to only decrease.
- **Auto-advance not triggering:** If the scale weight bounces outside your allowed **Drop Tolerance**, the system waits for a stable reading before it moves forward.

12.7. On-Hand Amount

The on-hand amount is the total quantity of an ingredient currently available at a specific location for use or sale.

- **How it’s calculated:** The amount is automatically updated based on inventory movements. It increases with Deliveries and decreases with Pickups and Usage.
- **Transaction Level:** In the transaction history, the on-hand amount represents the stock remaining immediately after that specific movement occurred.
- **Physical Adjustments:** Users can manually override this value by performing a Physical Inventory Adjustment to reconcile the system's records with the actual physical stock on the dairy.
- **Negative Balances:** If usage exceeds the recorded stock, the on-hand amount may show a negative balance until a new delivery or adjustment is recorded.
- **Projections:** FeedComp uses the current on-hand amount divided by daily usage to calculate "Days Left," helping managers predict when an ingredient will run out.

12.8. Overnight Loads

💡 **Tip:** First time using FeedComp? Start Here: Better Feeding Made Simple.

An overnight load lets you start loading a feeding today and then finish and drop it tomorrow. It's useful when you want a head-start on busy mornings or want to split loading across shifts.

Overnight loads are marked in the feeding schedule by this icon .

Before using overnight loads in the FeedComp app, you must enable them for your farm. Tap your user photo in the top right of any screen and tap **Settings**. Locate the **Overnight Load** option about midway down the page, and toggle the option **ON**.

See Use Overnight Loads for instructions on creating and resuming overnight loads.

⚠️ **IMPORTANT:** Once you start an overnight load, be aware that the **equipment stays locked** to the overnight load until it's finished or cancelled. This means that you **cannot use the same equipment to complete any other feedings** until the overnight load is completed the following day. If you connect to and attempt to feed using equipment containing an overnight load, an overnight load notification with a red alert icon is displayed.

12.9. Pen Count Updates

> 💡 **Tip:** First time using FeedComp? Start Here: Better Feeding Made Simple.

When pens are enabled for auto-updates from DairyComp, FeedComp automatically adjusts the **Feeding Counts**, **Total DM** and **Total AF** values based on the pen changes recorded in DairyComp. If synchronization is turned off for specific pens, the **Feeding Count** is managed solely within FeedComp. Understanding how pen synchronization timing and automatic batch recalculations work helps ensure accurate counts, correct feeding amounts, and proper interpretation of feed targets as pen populations change.

See Pens to learn more about managing pens and **Sync Feeding & Animal Counts**

12.10. Premixes

> 💡 **Tip:** First time using FeedComp? Start Here: Better Feeding Made Simple.

Premixes let you define and manage blends (such as mineral or supplement mixes) as reusable building blocks inside your recipes. Instead of recreating the same combination of ingredients in multiple rations, you can set it up once as a premix and use it wherever it's needed. This makes it easier to standardize nutrition and keep recipes clean and consistent.

Why Use Premixes?

Premixes help improve efficiency and accuracy by:

- Simplifying formulation through a single, standardized blend
- Improving consistency between loads
- Reducing operational risk by minimizing mixing errors when handling many individual ingredients

See Premix Recipes for instructions on creating and using premixes.

12.11. Target DM and Feeding Amounts

> 💡 **Tip:** First time using FeedComp? Start Here: Better Feeding Made Simple.

Target DM (often shown as Target DM/HD) is the daily dry-matter goal for each animal in a pen. It gives you a clear nutrition target that stays the same even when feed moisture changes.

Feeding amounts represent what's actually scheduled to be fed in DM/HD (dry matter only) and AF (as-fed, which includes moisture).

FeedComp keeps these two values connected, so your feeding goals (Target DM/HD) and your feeding schedule (feeding amounts) are always in sync.

- If you change a pen's Target DM/HD, FeedComp can automatically update future feeding amounts to match. It also keeps the same planned split across multiple feedings.
- If you change a feeding's feeding amount (DM/HD or AF), FeedComp recalculates the daily total and updates the pen's Target DM/HD to match.

How Does This Benefit Me?

- **Set it once, and it flows everywhere.** Update the Target DM/HD for a pen and every future feeding recalculates automatically. No need to edit each feeding individually.
- **Adjust on the fly without breaking the plan.** If you tweak a single feeding, the daily target updates to reflect what you've actually scheduled, so reports and summaries stay accurate.
- **Less room for error.** Because FeedComp handles the conversion between DM and AF using the recipe's DM%, you avoid manual calculation mistakes that can lead to over- or under-feeding.
- **Reports you can trust.** Since the target and feedings are always in sync, what you see in reports matches what you've planned to deliver.

To learn how to add or edit a pen's Target DM/HD, see Add a Pen. To learn how to add or edit a feeding amount, see Add or Edit a Feeding.