



# FeedComp

1. [FeedComp Overview](#)
2. [Start Here: Better Feeding Made Simple](#)
  - 2.1. [I'm a New Feeder](#)
3. [What's New in FeedComp?](#)
4. [FeedComp Installation](#)
  - 4.1. [Pre-Installation Checklist](#)
  - 4.2. [Common Installation Issues & Critical Troubleshooting](#)
  - 4.3. [Install the FeedComp App](#)
  - 4.4. [Configure Mobile App Settings](#)
    - 4.4.1. [FeedComp App Auto-Update](#)
    - 4.4.2. [Select a Language](#)
    - 4.4.3. [Adjust Settings](#)
    - 4.4.4. [Refresh Data](#)
    - 4.4.5. [Log Out or Switch User](#)
  - 4.5. [Configure and Connect the Scale](#)
    - 4.5.1. [Scale-Tec POINT Scale](#)
    - 4.5.2. [Topcon Digi-Star Scale](#)
    - 4.5.3. [Scale Connection Troubleshooting](#)
5. [Configure FeedComp Settings on PULSE](#)
  - 5.1. [System Settings](#)
  - 5.2. [Locations](#)
  - 5.3. [Equipment](#)
  - 5.4. [Editing Restrictions](#)
  - 5.5. [Permissions](#)
  - 5.6. [PULSE vs FeedComp Mobile App](#)
6. [Feeding Essentials](#)
  - 6.1. [Pens](#)
  - 6.2. [Ingredients](#)

## **6.3. Recipes**

### **6.3.1. Alternate Recipes**

### **6.3.2. Premix Recipes**

## **6.4. Inventory**

## **6.5. Vendors**

# **7. Manage Feedings**

## **7.1. Create and Schedule Feedings**

### **7.1.1. Add or Edit a Feeding**

### **7.1.2. Manage Scheduled Feedings**

### **7.1.3. Split Feedings**

### **7.1.4. View Completed Feedings**

### **7.1.5. Activate or Deactivate Feedings**

## **7.2. Batch Feedings**

## **7.3. Weighbacks**

# **8. Feed Using the App**

## **8.1. Video: How to Feed in FeedComp**

## **8.2. First Time Using the App**

## **8.3. Loading and Dropping**

## **8.4. Set Up Loader View (BETA)**

## **8.5. Use Overnight Loads**

## **8.6. Data Sync between Mobile and PULSE**

## **8.7. Offline Mode**

## **8.8. FeedComp Mobile App vs PULSE**

# **9. View Reports**

## **9.1. Untitled**

## **9.2. Untitled**

## **9.3. Untitled**

## **9.4. Untitled**

## **9.5. Untitled**

9.6. Untitled

9.7. Untitled

9.8. Untitled

10. FeedComp Training

11. Feed Glossary

11.1. Alternate Recipes

11.2. Complete vs. Incomplete Loads

11.3. Feeding Schedule Reset

11.4. Filler Loads

11.5. Load Tolerance

11.6. Overnight Loads

11.7. Pen Count Updates

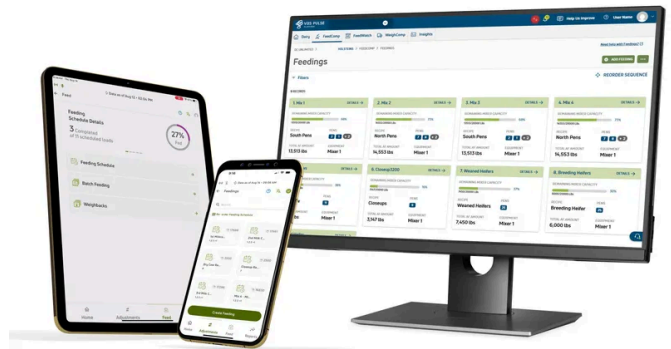
11.8. Premixes

11.9. Target DM and Feeding Amounts

12. Untitled

# 1. FeedComp Overview

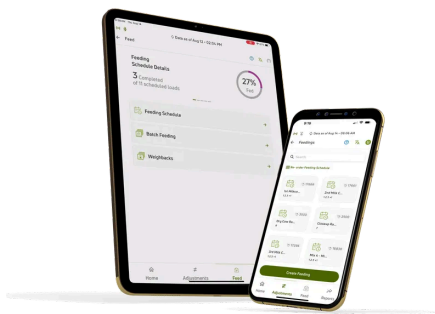
FeedComp streamlines feed management by unifying cloud and mobile tools into a single, efficient operation. Use FeedComp to create recipes, assign them to pens, load and drop feed, make adjustments, review feeding results, and project inventory needs. Whether you are working at a desk or feeding from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



[Get Started with FeedComp!](#)

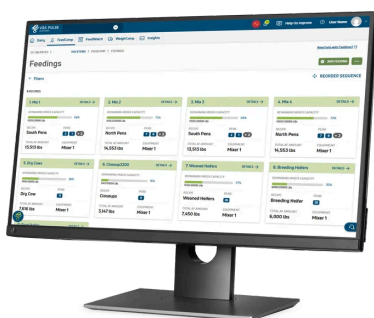
## FeedComp Mobile App

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.



## 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<br>(PULSE) | Mobile<br>App | Notes                                                                                      |
|-------------------------------------------------------------|----------------|---------------|--------------------------------------------------------------------------------------------|
| <a href="#"><u>Install the FeedComp App</u></a>             |                | ✓             | Mobile-only initial log-in.                                                                |
| <a href="#"><u>Configure Mobile App Settings</u></a>        |                | ✓             | App-specific preferences & language.                                                       |
| <a href="#"><u>Configure and Connect the Scale</u></a>      |                | ✓             | Requires Bluetooth pairing out on the farm.                                                |
| <a href="#"><u>Configure FeedComp Settings on PULSE</u></a> | ✓              |               | Manage system-wide FeedComp settings and user permissions.                                 |
| <a href="#"><u>Locations</u></a>                            | ✓              | ✓             | Define where feed ingredients are stored on the dairy.                                     |
| <a href="#"><u>Equipment</u></a>                            | ✓              | ✓             | Define the the mixers and scales used to prepare feedings in FeedComp.                     |
| <a href="#"><u>Pens</u></a>                                 | ✓              | ✓             | Pen counts are used to calculate daily feed amounts.                                       |
| <a href="#"><u>Ingredients</u></a>                          | ✓              | ✓             | Each ingredient is linked to specific storage locations (bays, piles, or lots).            |
| <a href="#"><u>Recipes</u></a>                              | ✓              | ✓             | Define what each animal group is fed and in what amounts.                                  |
| <a href="#"><u>Inventory</u></a>                            | ✓              | ✓             | Record deliveries and make adjustments.                                                    |
| <a href="#"><u>Vendors</u></a>                              | ✓              | ✓             | Manage where feed comes from and which ingredients are available.                          |
| <a href="#"><u>Manage Feedings</u></a>                      | ✓              | ✓             | Create and schedule feedings and add special ingredients, such as premixes and weighbacks. |
| <a href="#"><u>Create and Schedule</u></a>                  | ✓              | ✓             | Adjust order, split feedings, or update details as plans change.                           |

| Task                                             | Web<br>(PULSE) | Mobile<br>App | Notes                                                                                                                                |
|--------------------------------------------------|----------------|---------------|--------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#"><u>Feedings</u></a>                  |                |               |                                                                                                                                      |
| <a href="#"><u>Batch Feedings</u></a>            |                | ✓             | Used for feedings not already on the schedule.                                                                                       |
| <a href="#"><u>Weighbacks</u></a>                | ✓              | ✓             | Use Filler Loads to pick up and reuse leftovers as the first ingredient.                                                             |
| <a href="#"><u>Feed Using the App</u></a>        |                | ✓             | Start a feeding, load ingredients, and drop to pens.                                                                                 |
| <a href="#"><u>Set Up Loader View (BETA)</u></a> |                | ✓             | Connect your loading device to your feeding device, so any operations on your feeding device are mirrored on your loading device     |
| <a href="#"><u>View Reports</u></a>              | ✓              | ✓             | View all FeedComp reports. Note that the <a href="#"><u>Income Over Feed Cost Report</u></a> 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.

### Quick Start: 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.

### Batch Feeding for Unscheduled Feedings

Batch feeding is used for ad-hoc feedings outside the main feeding schedule. It supports unexpected 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.

## 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.

## Advanced Options for Real-World Scenarios

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

### 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.

## 2.1. I'm a New Feeder

---

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.

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

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

- ✓ **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.

#### FeedComp Release v1.4.3451 - April 2026

##### Enhancements

- **Streamlined feeding amount edits:** To save you time and reduce navigation steps, you can now edit pen amounts directly within the **Edit Mix** screen. When you adjust a pen target, the app automatically recalculates ingredient totals in real-time, ensuring your load is accurate before you start mixing. This update also includes smarter capacity warnings and simplified data entry—using whole numbers for As-Fed (AF ) and decimals for Dry Matter (DM/HD)—so you can make fast, precise adjustments on the fly.
- **Improved ingredient loading accuracy:** We have updated the FeedComp loading logic to ensure ingredient weights are recorded accurately in your reports. This fix stabilizes how the app handles scale fluctuations during ingredient transitions, specifically when acknowledging (ACK) multiple ingredients in a row. By filtering out scale "noise," the app now prevents incorrect or negative weights from appearing in PULSE, ensuring your feeding history and usage data are always reliable and accurate.
- **Improved data refresh and sync reliability:** We have updated the FeedComp mobile app to ensure your feeding data stays current, even when your device is offline or the app is running in the background. This fix resolves issues where completed loads failed to drop off the schedule or new data didn't sync correctly during the daily reset. As a result, you can rely on an accurate feeding schedule and reports every morning without needing to manually restart or reinstall the app.

##### Bug Fixes

- **Missing or incomplete load fixes:** We made several improvements to help prevent or diagnose missing or incomplete loads.

---

#### ✓ **Tips, Known Issues, and Workarounds**

#### ✓ **Earlier Releases**



## 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.
- **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.

## 4.1. Pre-Installation Checklist

---

While the VAS Support team configures your database in VAS PULSE Platform, use this checklist to prepare your farm environment. Completing these checks ensures that when your setup is complete, you won't be delayed by hardware gaps, connectivity issues, or missing credentials.

### Personnel and Credentials

- ☐ **Email Management:** Confirm every feeder, manager, and nutritionist has a dedicated email address and is set as a FeedComp user. Provide these to the install tech if the data sheet has already been submitted.
- ☐ **Training:** Ensure all feeders have reviewed the FeedComp training materials. See [I'm a New Feeder](#) for a quick introduction or check out all [FeedComp Training](#).
- ☐ **Go-Live Scheduling:** Coordinate the install date so feeders are available for training immediately following the final feeding on their old feed system.

### Mobile Device Readiness

- ☐ **Hardware Specs:** Verify devices meet recommended specifications.

#### Purchasing List

- ☐ New devices (Android or iOS) if needed.
- ☐ A "backup" device if needed.
- ☐ Mounting brackets for each mixer and loader.
- ☐ Charging cables for each device to use in the mixer as devices may lose their charge during the feeding.

#### App Preparation

- ☐ Download FeedComp on each device. See [Install the FeedComp App](#) to learn more.
- ☐ Confirm FeedComp is set for auto-updates. See [FeedComp App Auto-Update](#) to learn more.
- ☐ Download the scale app on the primary device for each mixer as the app is needed to adjust scale settings.
- ☐ Download TeamViewer Quick Support on each device. Include the TeamViewer Add-on when prompted on an Android device.

## Device Settings

- ☐ Set the screen time-out setting to the highest value.
- ☐ Check for OS updates.
- ☐ Set automatic OS updates to occur during non-feeding times.

## Power Strategy

- ☐ Confirm the device charging location has internet access.
- ☐ Confirm devices are fully charged at the start of the first feeding.

## Scale and Hardware Verification

### Wiring Audit

- ☐ If removing the current scale, are the current wire connections easily removeable?
- ☐ Do new wires need to be run to the weigh bars?
- ☐ For new scale installations, ensure existing connections are compatible prior to removing the old scale on the scheduled install day.

### Firmware & Calibration

- ☐ If replacing the current scale, start the process immediately after the last feeding to allow extra time for any unexpected situations.
- ☐ If installing a POINT scale, be sure to use the scale app to check for any firmware updates and calibrate the scale.

### Scale-Tec POINT Scales

- ☐ Verify count values are set to 1 to prevent data errors.
- ☐ 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.

### Topcon Digi-Star Scales

- ☐ See [Topcon Digi-Star Scale](#) for steps to configure and connect.

## Feedings

- ☐ **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.

- ☐ **Recipe Audit:** Adjust for any recipe changes made after the Feed Data Sheet was submitted to VAS.

Review [Common Installation Issues & Critical Troubleshooting](#) list before the Go-Live date.

## 4.2. Common Installation Issues & Critical Troubleshooting

---

Real-world variables can interrupt your first feeding. Review these common issues identified by our field teams to ensure your data is accurate and your feeders are prepared to start using FeedComp.

Be sure to complete the [Pre-Installation Checklist](#) before starting your install or troubleshooting any issues.

### Feeder Readiness

- Ensure every feeder has logged into FeedComp at least once and confirmed their 6-digit PIN.
- Ensure feeders know the device login if one is required.
- Verify feeders are scheduled and available to walk through the first feeding using the new FeedComp workflow.

### Device and Data Readiness

- Confirm each device is 100% charged before feeding.
- Verify the device is refreshing with PULSE and feed data is current. The last refresh date and time is shown at the top of the app.
- Confirm no other apps are running on the device.

### Scale Readiness

- Test the Bluetooth connection between the device and the scale.
- Confirm the feeder knows how to manually zero out the scale.
- Verify the scale was calibrated.

### 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.

## 4.3. Install the FeedComp App

---

The FeedComp app is available for both Android and iOS.



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.

## 4.4. 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](#)



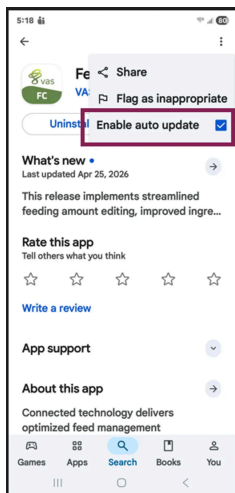
## 4.4.1. FeedComp App Auto-Update

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

⚠ Steps and setting options may vary slightly depending on your device and operating system version.

### 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.



## 4.4.2. Select a Language

---

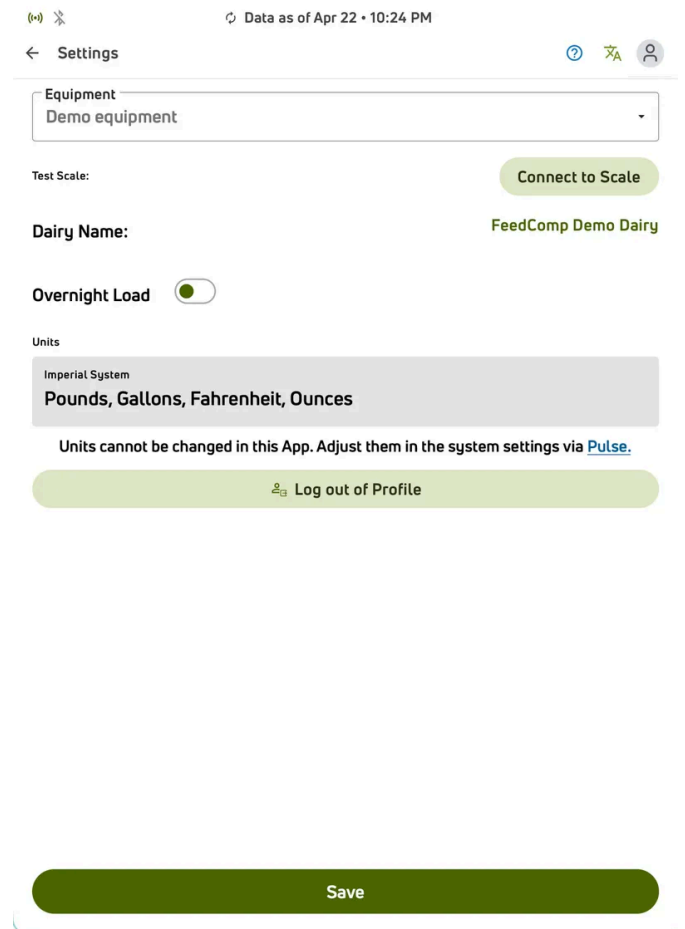
At the top right of the screen, tap the language icon  to select your preferred language, or tap your user icon  to update user account and app settings. The app supports the following languages:

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

## 4.4.3. 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.



The screenshot shows the 'Settings' screen in a mobile app. At the top, there's a status bar with 'Data as of Apr 22 • 10:24 PM'. Below that, a navigation bar shows a back arrow, 'Settings', and icons for help, a gear, and a user profile. The main content area has a dropdown menu for 'Equipment' with 'Demo equipment' selected. Below this are two sections: 'Test Scale:' with a 'Connect to Scale' button, and 'Dairy Name:' with 'FeedComp Demo Dairy'. There's a toggle switch for 'Overnight Load' which is currently turned on. A 'Units' section shows 'Imperial System' and 'Pounds, Gallons, Fahrenheit, Ounces'. A note states: 'Units cannot be changed in this App. Adjust them in the system settings via [Pulse](#).' At the bottom, there's a 'Log out of Profile' button and a large green 'Save' button.

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

## 4.4.4. Refresh Data

---

When the mobile app has an active WiFi or data connection, you can tap  **Refresh** 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 WiFi or data connection is steady, the app continues to sync in the background and does not need to be manually refreshed.** ~~you can refresh your data and view the latest updates.~~

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

## 4.4.5. 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.

## 4.5. 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.

## 4.5.1. Scale-Tec POINT Scale

---

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

### 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.



## 4.5.2. 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 (D.A.N.) 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          | Direct Access Number (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                          | Direct Access Number<br>(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<br>(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        | Direct Access Number (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. |
| Motion (MOTION)       | 3101                         | 0 (OFF)                                                                  | —                                                                                                                                                                                       |

**Menu 4**

| Parameter Name                 | Direct Access Number (DAN #) | Parameter Value | Note                                                                                                                                                                                                                |
|--------------------------------|------------------------------|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Pre-Alarm Method (P MTHD)      | 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 (T MTHD)      | 4201                         | WEIGHT          | If the scale tolerance is 0, the value can be either WEIGHT or PERCENT.                                                                                                                                             |
| Tolerance (TOLER)              | 4202                         | 0               | —                                                                                                                                                                                                                   |

### Menu 5

| Parameter Name                 | Direct Access Number (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          | Direct Access Number (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.

## 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:

### Calibrating Digistar Scale Heads on a TMR Mixer

Amelcor



Watch on



## 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

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

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

## 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:  $2.4 \times 16,000 = 38,400$
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.

## 4.5.3. Scale Connection Troubleshooting

---

If the connection fails when you attempt to connect, check the following, depending on your scale model:

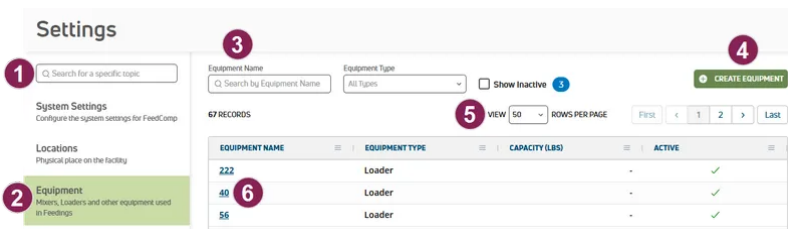
- ✓ **Topcon Digi-Star scale**
- ✓ **Scale-Tec POINT scale**

## 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



**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.

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.



## 5.2. Locations

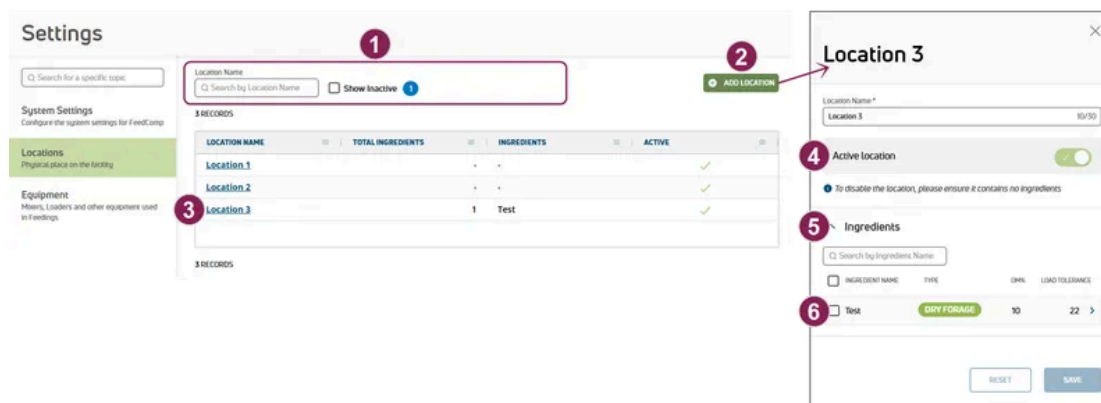
Locations represent where feed ingredients are stored on the dairy, such as lots, bays, or silage piles. In FeedComp, each ingredient is associated with a location so you can track where inventory is stored and manage it accurately.

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

### Mobile

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**





## 5.3. Equipment

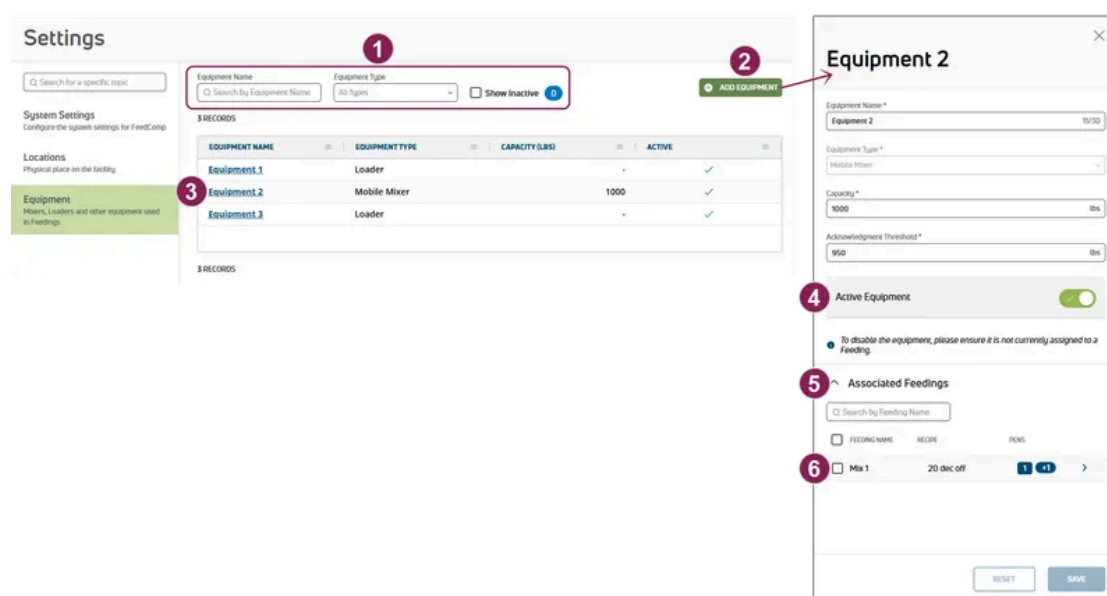
Equipment represents the mixers and scales used to prepare feedings in FeedComp. This typically includes mobile mixers with a known capacity and the scales mounted on those mixers, such as the Scale-Tec POINT scale or Topcon Digi-Star scale. FeedComp must be connected to a supported scale for feedings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

### Mobile

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**

## 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.

The screenshot displays the 'Settings' page in PULSE. On the left, a sidebar lists 'System Settings', 'Locations', 'Equipment', and 'Editing Restrictions' (highlighted with a red circle 1). The main area shows a calendar view for 'Editing Restrictions' with a red circle 3 pointing to a blocked time slot. A yellow banner at the top indicates 'Editing on PULSE will be disabled at 10:30 A.M.' and 'SEE BLOCKING SCHEDULE'. A red circle 2 points to the 'ADD BLOCKED TIME' button. An 'Add blocked time' modal is open on the right, showing fields for 'Title' (set to 'morning feeding'), 'Color' (set to '15/50'), 'Days' (MON, TUE, WED, THU, FRI, SAT, SUN), 'From' (4:00 AM), and 'To' (6:00 AM). The modal includes 'RESET' and 'SAVE' buttons.

**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

---

### 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.

- **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 Pen Write:** Allows you to edit the feed details for each pen location.
- **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.

## 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<br>(PULSE) | Mobile<br>App | Notes                                                                                      |
|-------------------------------------------------------------|----------------|---------------|--------------------------------------------------------------------------------------------|
| <a href="#"><u>Install the FeedComp App</u></a>             |                | ✓             | Mobile-only initial log-in.                                                                |
| <a href="#"><u>Configure Mobile App Settings</u></a>        |                | ✓             | App-specific preferences & language.                                                       |
| <a href="#"><u>Configure and Connect the Scale</u></a>      |                | ✓             | Requires Bluetooth pairing out on the farm.                                                |
| <a href="#"><u>Configure FeedComp Settings on PULSE</u></a> | ✓              |               | Manage system-wide FeedComp settings and user permissions.                                 |
| <a href="#"><u>Locations</u></a>                            | ✓              | ✓             | Define where feed ingredients are stored on the dairy.                                     |
| <a href="#"><u>Equipment</u></a>                            | ✓              | ✓             | Define the the mixers and scales used to prepare feedings in FeedComp.                     |
| <a href="#"><u>Pens</u></a>                                 | ✓              | ✓             | Pen counts are used to calculate daily feed amounts.                                       |
| <a href="#"><u>Ingredients</u></a>                          | ✓              | ✓             | Each ingredient is linked to specific storage locations (bays, piles, or lots).            |
| <a href="#"><u>Recipes</u></a>                              | ✓              | ✓             | Define what each animal group is fed and in what amounts.                                  |
| <a href="#"><u>Inventory</u></a>                            | ✓              | ✓             | Record deliveries and make adjustments.                                                    |
| <a href="#"><u>Vendors</u></a>                              | ✓              | ✓             | Manage where feed comes from and which ingredients are available.                          |
| <a href="#"><u>Manage Feedings</u></a>                      | ✓              | ✓             | Create and schedule feedings and add special ingredients, such as premixes and weighbacks. |
| <a href="#"><u>Create and Schedule</u></a>                  | ✓              | ✓             | Adjust order, split feedings, or update details as plans change.                           |



| Task                                             | Web<br>(PULSE) | Mobile<br>App | Notes                                                                                                                                |
|--------------------------------------------------|----------------|---------------|--------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#"><u>Feedings</u></a>                  |                |               |                                                                                                                                      |
| <a href="#"><u>Batch Feedings</u></a>            |                | ✓             | Used for feedings not already on the schedule.                                                                                       |
| <a href="#"><u>Weighbacks</u></a>                | ✓              | ✓             | Use Filler Loads to pick up and reuse leftovers as the first ingredient.                                                             |
| <a href="#"><u>Feed Using the App</u></a>        |                | ✓             | Start a feeding, load ingredients, and drop to pens.                                                                                 |
| <a href="#"><u>Set Up Loader View (BETA)</u></a> |                | ✓             | Connect your loading device to your feeding device, so any operations on your feeding device are mirrored on your loading device     |
| <a href="#"><u>View Reports</u></a>              | ✓              | ✓             | View all FeedComp reports. Note that the <a href="#"><u>Income Over Feed Cost Report</u></a> 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.

### 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:

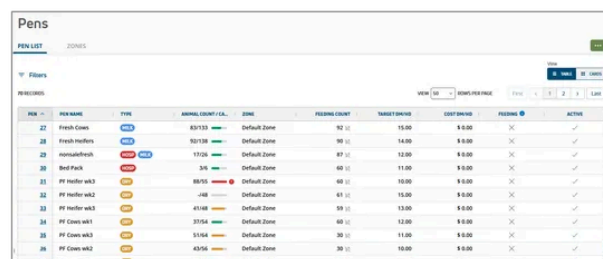
| Setup Task  | Web (PULSE) | Mobile App | Notes                                                                                          |
|-------------|-------------|------------|------------------------------------------------------------------------------------------------|
| Pens        | ✓           | ✓          | 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

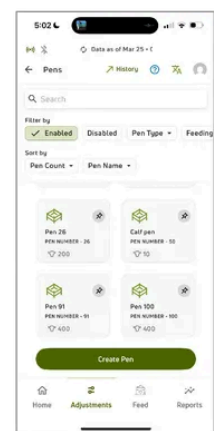
Pens define how animals are grouped for feeding and tracking in FeedComp. A pen represents a group of animals that are fed together and share the same recipes and nutritional needs.

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.

On 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.



| PEN ID | PEN NAME      | TYPE | ANIMAL COUNT (L) | ZONE         | FEEDING COUNT | TARGET DENSITY | COST DENSITY | FEEDING | ACTION |
|--------|---------------|------|------------------|--------------|---------------|----------------|--------------|---------|--------|
| 27     | Fresh Cows    | 27   | 63713            | Default Zone | 92            | 15.00          | \$ 0.00      | ×       | ✓      |
| 28     | Fresh Heifers | 28   | 50138            | Default Zone | 95            | 14.00          | \$ 0.00      | ×       | ✓      |
| 29     | Nonlactating  | 29   | 17126            | Default Zone | 87            | 12.00          | \$ 0.00      | ×       | ✓      |
| 30     | Sod Pack      | 30   | 34               | Default Zone | 60            | 11.00          | \$ 0.00      | ×       | ✓      |
| 31     | PT Herd wk1   | 31   | 8875             | Default Zone | 48            | 10.00          | \$ 0.00      | ×       | ✓      |
| 32     | PT Herd wk2   | 32   | 48               | Default Zone | 87            | 10.00          | \$ 0.00      | ×       | ✓      |
| 33     | PT Herd wk3   | 33   | 4148             | Default Zone | 59            | 13.00          | \$ 0.00      | ×       | ✓      |
| 34     | PT Cow wk1    | 34   | 3754             | Default Zone | 48            | 12.00          | \$ 0.00      | ×       | ✓      |
| 35     | PT Cow wk2    | 35   | 5164             | Default Zone | 38            | 11.00          | \$ 0.00      | ×       | ✓      |
| 36     | PT Cow wk3    | 36   | 4354             | Default Zone | 38            | 10.00          | \$ 0.00      | ×       | ✓      |



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**



## 6.2. Ingredients

---

Ingredients in FeedComp represent the raw feed components used in recipes, such as corn silage, alfalfa, minerals, and additives. Each ingredient defines *what* is being fed before it is combined into a recipe or premix.

Ingredients are associated with one or more storage locations on the dairy—such as lots, bays, or silage piles—so FeedComp knows where each feed component is stored. FeedComp tracks ingredient quantities by location to support inventory management, usage monitoring, and reordering decisions.

Web

Mobile

---

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

Expand the sections below to learn more:

- ✓ **Create New Ingredient**
- ✓ **Edit Ingredient**
- ✓ **Set Load Tolerance**
- ✓ **Deactivate Ingredient**
- ✓ **Reactivate Ingredient**
- ✓ **Assign or Transfer Ingredient to a Location**
- ✓ **Set DM%**
- ✓ **Set Cost**
- ✓ **Set Time Delay Between Ingredients**
- ✓ **Update Ingredient Type**
- ✓ **Search and Filter the Ingredients List**

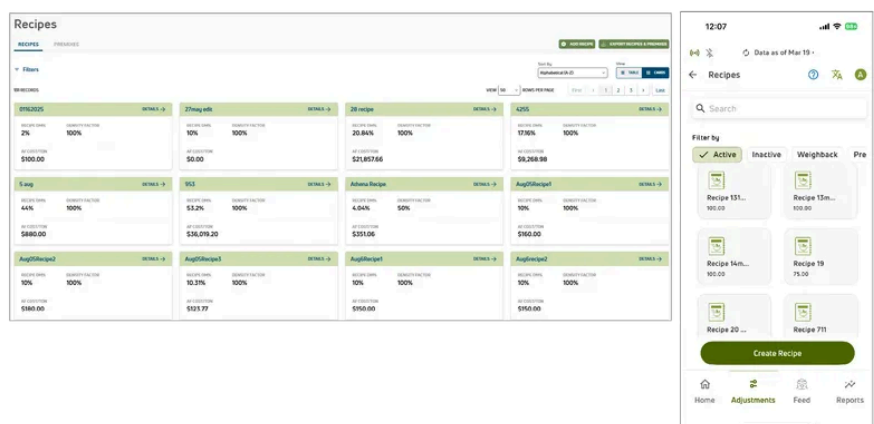


## 6.3. Recipes

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

Mobile

Web

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:

Mobile

Web

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

Mobile

Web

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.

- Select the required ingredients from the dropdown menu.
- If more than one location is available, select the ingredient location.
- Enter either the **DM Amount** or **AF Amount**.
  - The system automatically calculates the corresponding value.
- 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.
- Drag ingredients up or down to adjust the mix order.
- 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.

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

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

- 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.

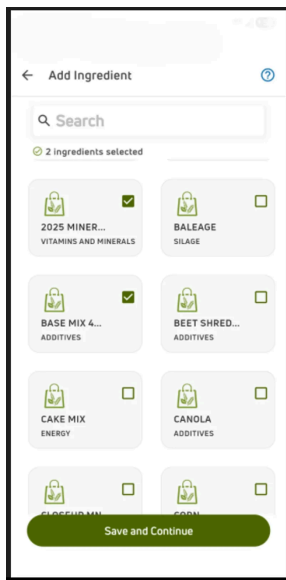
## Creating a Premix in the Mobile App

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

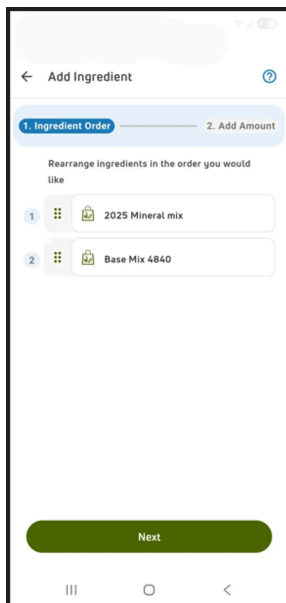
1. Under **Adjustments**, select **Recipes**, then **Create Recipe**.
2. Enter the **Recipe Name**, **Density Factor**, check "Create as Premix" and enter the **Load Tolerance**.
3. Select **+Add Ingredient**.

The screenshot displays the 'Create Recipe' interface. At the top, there's a back arrow and a 'Create Recipe' title. Below it, a note states 'All fields are mandatory'. The form includes a 'Recipe Name' field with the text 'Premix', a 'Density Factor' field with '100.00', and a 'Load Tolerance' field with '100'. A checkbox labeled 'Create as Premix' is checked. Underneath are three smaller fields: 'DM/Hd', 'AF/Hd', and 'Cost/Hd'. An 'Ingredients' section shows a list with '0' items and a '+ Add Ingredient' button. A large green 'Save' button is at the bottom.

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 **Time 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.

From the mobile app, inventory is managed through the **Adjustments** screen, where you can record deliveries, pickups, and physical inventory adjustments. On PULSE, 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.

FeedComp supports working in offline mode on mobile, allowing you to continue managing inventory when a connection is unavailable and automatically syncing changes once you're back online.

### Web

---

### Mobile

You can manage FeedComp on PULSE inventory, transactions, and vendors on the **Inventory** page. You can find this feature under the [FeedComp Menu](#).

At the top left of the page, click the **Overview** tab to view all available inventory in FeedComp. Click the **Transactions** tab to view all available transactions. Or, click the **Vendors** tab to view all available vendors. Expand the sections below to learn more:

✓ **Overview**

✓ **Transactions**

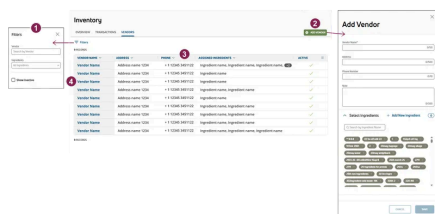
## 6.5. Vendors

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

### Mobile



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**

## 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](#)
- [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<br>(PULSE) | Mobile<br>App | Notes                                                                    |
|-------------------|----------------|---------------|--------------------------------------------------------------------------|
| Schedule Feedings | ✓              | ✓             | Adjust order, split feedings, or update details as plans change.         |
| Batch Feedings    |                | ✓             | <b>Mobile-only:</b> 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.

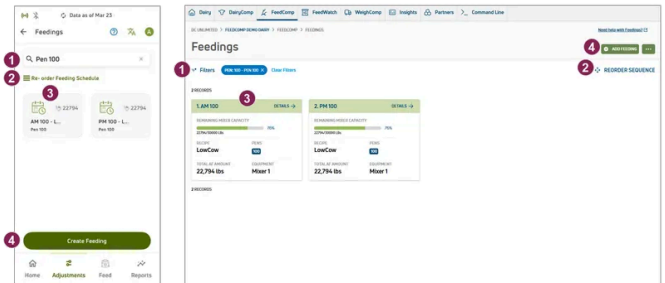
**NOTE:** If the mix amount for the feeding exceeds the capacity of the [mixer](#), an **Overcapacity** banner is displayed. If you continue adding the feeding, the mix is [split into multiple feedings](#).

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.

### ⚠ **Known Issue: Offline Sync May Cause Missing or Incomplete Loads in Feed History Report**

We are currently investigating an issue where feedings completed in Offline Mode may not immediately appear in web reports for the current date after syncing, even if they show up correctly in the previous day's history.

- **What this means for you:** If you sync a device and today's report still shows a load as "Missing" or "Incomplete," check the Feeding History for the previous day to confirm the data was received.
- **Status:** Our engineering team is working on a fix to ensure reports update correctly across all dates regardless of when the sync occurs.

### 📌 **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

---

When plans change, you can quickly deactivate or reactivate feedings to keep your feeding list accurate without losing data or disrupting completed work.

### Deactivate Feeding

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

### Reactivate Feeding

1. Select **Filters** at the top left of the page.
2. Check the **Show Inactive** box to view all available feedings in the list.
3. Select the **Details** link at the top right of a feeding card.
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. Weighbacks

---

Feed left over from a prior feeding is called a *weighback* in FeedComp. Weighbacks may also be referred to as *refusals* or *cleanups*. FeedComp allows you to capture weighbacks so leftover feed can be reused in other pens or locations, included as a filler load in a recipe, or sold off the farm. You can manage weighbacks from the FeedComp interface, depending on the platform you're using.

Weighbacks help reduce waste by allowing leftover feed to be added back into existing recipes and are typically picked up the morning after a scheduled feeding. When you create a weighback from a previous day's feeding, FeedComp automatically recalculates dry matter intake and updates the DM Intake Report. For example, if 200 pounds of unused feed is picked up from a pen, the dry matter intake for that pen is adjusted to subtract that amount from the prior day's feeding, helping control costs and keep ingredient amounts accurate.

03:35

Web

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.

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

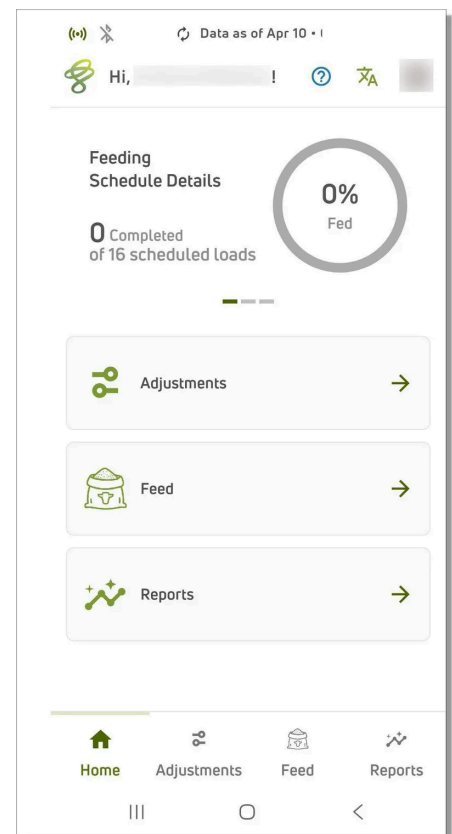
- **Swipe left and right** to view all feedings scheduled for **today**.
- Each feeding is displayed in sequence, making it easy to see what needs to be done next.

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

### 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 [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.

## 8.1. Video: How to Feed in FeedComp

---

04:32

## 8.2. First Time Using the App

---

<placeholder for snippet>

## 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.

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.

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 loads from a loader device while you're out feeding. Loader View allows you to connect your loading device to your feeding device, so any operations on your feeding device are mirrored on your loading device. When Loader View is enabled on a loading device, you can advance or pause feedings and view real-time feeding details while loading is in progress.

**TIP:** To use this feature, Bluetooth must be enabled on both the loading and feeding devices.

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

- ✓ **Add Loader Equipment to FeedComp**
- ✓ **Connect Loader Equipment to FeedComp**
- ✓ **Connect a Loading Device to a Feeding Device**
- ✓ **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.

## 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 device leaves wifi range or loses its data connection, you can continue to feed in [Offline Mode](#), and PULSE will update as soon as your data connection is re-established.

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. Offline Mode

---

If you see a  **No connection** message when working with FeedComp, your device is in offline mode. You can continue feeding, creating transactions, updating ingredients, and performing other tasks when offline. However, an online connection is required for those updates to synchronize to PULSE and other mobile devices. All changes are saved locally and applied automatically once your device is back online.

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

## 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<br>(PULSE) | Mobile<br>App | Notes                                                                                      |
|-------------------------------------------------------------|----------------|---------------|--------------------------------------------------------------------------------------------|
| <a href="#"><u>Install the FeedComp App</u></a>             |                | ✓             | Mobile-only initial log-in.                                                                |
| <a href="#"><u>Configure Mobile App Settings</u></a>        |                | ✓             | App-specific preferences & language.                                                       |
| <a href="#"><u>Configure and Connect the Scale</u></a>      |                | ✓             | Requires Bluetooth pairing out on the farm.                                                |
| <a href="#"><u>Configure FeedComp Settings on PULSE</u></a> | ✓              |               | Manage system-wide FeedComp settings and user permissions.                                 |
| <a href="#"><u>Locations</u></a>                            | ✓              | ✓             | Define where feed ingredients are stored on the dairy.                                     |
| <a href="#"><u>Equipment</u></a>                            | ✓              | ✓             | Define the the mixers and scales used to prepare feedings in FeedComp.                     |
| <a href="#"><u>Pens</u></a>                                 | ✓              | ✓             | Pen counts are used to calculate daily feed amounts.                                       |
| <a href="#"><u>Ingredients</u></a>                          | ✓              | ✓             | Each ingredient is linked to specific storage locations (bays, piles, or lots).            |
| <a href="#"><u>Recipes</u></a>                              | ✓              | ✓             | Define what each animal group is fed and in what amounts.                                  |
| <a href="#"><u>Inventory</u></a>                            | ✓              | ✓             | Record deliveries and make adjustments.                                                    |
| <a href="#"><u>Vendors</u></a>                              | ✓              | ✓             | Manage where feed comes from and which ingredients are available.                          |
| <a href="#"><u>Manage Feedings</u></a>                      | ✓              | ✓             | Create and schedule feedings and add special ingredients, such as premixes and weighbacks. |
| <a href="#"><u>Create and Schedule</u></a>                  | ✓              | ✓             | Adjust order, split feedings, or update details as plans change.                           |

| Task                                             | Web<br>(PULSE) | Mobile<br>App | Notes                                                                                                                                |
|--------------------------------------------------|----------------|---------------|--------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#"><u>Feedings</u></a>                  |                |               |                                                                                                                                      |
| <a href="#"><u>Batch Feedings</u></a>            |                | ✓             | Used for feedings not already on the schedule.                                                                                       |
| <a href="#"><u>Weighbacks</u></a>                | ✓              | ✓             | Use Filler Loads to pick up and reuse leftovers as the first ingredient.                                                             |
| <a href="#"><u>Feed Using the App</u></a>        |                | ✓             | Start a feeding, load ingredients, and drop to pens.                                                                                 |
| <a href="#"><u>Set Up Loader View (BETA)</u></a> |                | ✓             | Connect your loading device to your feeding device, so any operations on your feeding device are mirrored on your loading device     |
| <a href="#"><u>View Reports</u></a>              | ✓              | ✓             | View all FeedComp reports. Note that the <a href="#"><u>Income Over Feed Cost Report</u></a> 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)**
-

## 9.1. Untitled

---

## 9.2. Untitled

---

## 9.3. Untitled

---



## 9.4. Untitled

---

## 9.5. Untitled

---

## 9.6. Untitled

---

## 9.7. Untitled

---

## 9.8. Untitled

---

## 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**

04:32

### **Making Adjustments**

12:34

# Recording Weighbacks

03:35

# FeedComp Reports Training

03:14





# 11. Feed Glossary

---

The following glossary outlines the core capabilities of the FeedComp platform.

## 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

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.

See [Feeding Schedule Reset](#) to learn more.

## 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 drop includes an **Actual Drop Weight = 0** or is **not** intentionally ignored by the feeder, it is marked as **Incomplete**.

See [Complete vs. Incomplete Loads](#) to learn more.

## Filler Loads

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 Loads](#) to learn more.

## Load Tolerance

Load tolerance is the "close enough" amount when loading an ingredient. It tells FeedComp how much weight you can be over or under your target and still have the load count as finished.

Setting a load tolerance helps you work faster. Instead of trying to hit an exact number with a heavy loader, FeedComp automatically moves to the next ingredient once you are within your 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 set to 20 lbs, FeedComp will mark that ingredient as "done" as soon as the scale hits 980 lbs. This saves you from having to climb out of the loader to add or remove just a few pounds of feed.

See [Load Tolerance](#) 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.

## 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 (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.

See [Target DM and Feeding Amounts](#) to learn more.

## Weighbacks

Weighbacks help you capture and manage leftover feed picked up from pens or other locations. After you record a weighback, you can choose how to use it. You can track it for visibility, feed it back as-is, or use it as part of a filler load strategy.

When weighbacks are fed back to pens, FeedComp can show that usage in reports. This helps your feeding history more accurately reflect what was actually delivered and eaten.

## 11.1. 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.

## 11.2. 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 FeedComp reports.

### Missing Loads

### □ **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.

See [View Completed Feedings](#) to learn more.



## 11.3. 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.



## 11.4. 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.

## 11.5. Load Tolerance

---

Load tolerance is the "close enough" amount when loading an ingredient. It tells FeedComp how much weight you can be over or under your target and still have the load count as finished.

Setting a load tolerance helps you work faster. Instead of trying to hit an exact number with a heavy loader, FeedComp automatically moves to the next ingredient once you are within your 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 set to 20 lbs, FeedComp will mark that ingredient as "done" as soon as the scale hits 980 lbs. This saves you from having to climb out of the loader to add or remove just a few pounds of feed.

### 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 "Skipping" Ingredients:** If your tolerance is higher than the total amount of the ingredient you need, FeedComp will think you are finished before you even start. For example, if you need 40 lbs of an ingredient but your tolerance is set to 50 lbs, the system will "skip" it. Always make sure your tolerance is much smaller than your smallest recipe amount.
- **Scale Stability:** If your mixer scale "bounces" or jumps while you are driving, a sudden spike in weight might hit the tolerance range and trigger an 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.

See [Ingredients](#) for instructions on setting load tolerance in both PULSE and the mobile app.

## 11.6. 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.

## 11.7. 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**



## 11.8. 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.

## 11.9. 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](#).

## 12. Untitled

---