

Feed Management Solutions

Cloud Connected Feed Management



Improve efficiency.
Feed just what they need.



Learn more at topconpositioning.com



As cost increases and margins squeeze, livestock farmers need solutions that reduce inputs and increase production. With feed accounting for over 50% of operating costs and significantly impacting performance, precision management is essential for profitability. Feed management solutions allow users to manage and track feed loads to improve efficiency, reduce waste, and support calculated management strategies. While many farmers still use hand-written feed sheets or complicated software, we offer easy-to-use technology that simplifies software integration. Our solutions seamlessly connect loading hardware and management software, improving efficiencies, reducing costs, and optimizing production.

- » Highly accurate load monitoring and logging technology
- » Rugged indicator options for reliable load monitoring
- » Complementary software (TAP FEED), tied directly to the daily workflow
- » Premium feeding system offering (TMR Flex Pro) provides the option to add multiple loading displays, control key software features from inside the cab, and seamlessly synchronize data with our cloud based software (TAP FEED)



Reduce Costs



Optimize Production



Improve Efficiency



Topcon Technology

Indicator/Converter, App, Tablet, Cloud Software

Topcon offers proven load monitoring and connected feed management software. Our load monitoring solutions comprise Digi-Star product line indicators and load cells. Our software, TAP FEED, is cloud based with various subscription options to suit operational requirements. We provide a streamlined connection between hardware and software – when plans are ready, easily push information to the loading phase; after loading is completed, data is collected for analysis

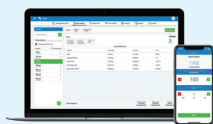
and adjustment planning. For basic operations looking to incorporate software and improve the loading workflow, we recommend the TAP FEED App - A single display solution on a user-provided device. For advanced operations, we recommend TMR Flex Pro, which provides weighback recording and dry matter adjustment features from inside the cab along with the ability to add multiple tablets if desired.

The Key to Smarter Feeding Starts with the Right Software

Building upon its predecessor, TMR Tracker, TAP FEED is the latest evolution in modern feed management. Our software is cloud-based and tied to our load indicators or convertors via Bluetooth using the TAP FEED App, wired serial port connection using the TMR Flex Pro solution, or our legacy USB and radio data transfer methods. The software provides a modern and intuitive interface with core feed management capability, plus advanced features for dairy and feedlot operations. Through a variety of subscription options from basic to

advanced, designed for dairies or feedlots, farmers can easily manage products, feeding groups, mixer loads, feedings, operators, and more. Efficiently create and export comprehensive reports, including ingredients usage, loads, DM intake per head, ration delivery, group delivery, and operator accuracy. Permit access and share with trusted advisors, too. Our feed management solutions are flexible, easy-to-use, connected to loading hardware, and cost-effective to integrate.

What's the Right TAP FEED Software Subscription for Your Operation?



TAP FEED Lite

Digital feed management for any operation.



TAP FEED Pro

Advanced capability tailored for dairy operations.



TAP FEED Feedlot

Advanced capability for feedlot operations.

Consider TAP FEED Software Addons for More Control

Find the right subscription for your operation and consider the following addon modules for even more control.



TAP FEED Link Add-On

Connect any TAP FEED subscription to third party feed management software to share key data. Link head count and milk production from herd management software.



TAP FEED Inventory Add-On

Track commodity stock, daily usage and out of stock dates. Easily enter commodity deliveries for accurate inventory levels.

TAP FEED Lite

TAP Feed Lite is the perfect solution for any dairy or feedlot looking for basic yet powerful feed management software. Providing a long established, easy-to-use flow to daily feeding operations, managing the daily adjustments required to ensure quality animal health and a profitable farm has never been easier or more affordable.

Compatible with TAP FEED Add-Ons

- 3rd Party Link – import head counts from herd management software for consistent and accurate data
- Inventory – Track average daily commodity usage to project out-of-stock dates as well as order and/or receive commodity deliveries

Features of TAP FEED Lite

• Ingredients

Easily customize your ingredient list by entering unique names, current dry matter levels, and prices. Whenever dry matter levels change, TAP FEED automatically updates recipe call weights and adjusts the as-fed price—no manual recalculations required.

• Groups

Create custom groups and pens by assigning unique names and linking them to specific recipes. Whether feeding pens once or multiple times a day, TAP FEED adapts to your farm's workflow. Combine pens into a single load or assign multiple recipes to the same pen throughout the day—TAP FEED offers the flexibility to fit your schedule.

• Recipes

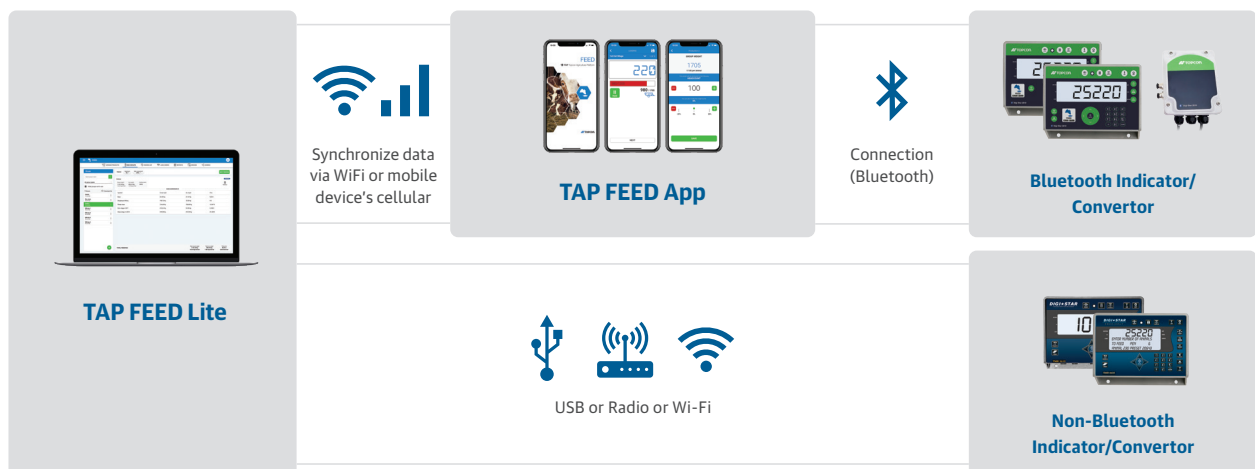
Select your ingredients and set the desired loading order. For dairy operations, inputs can be based on weight per head, while feedlots can use percent of load measurements. Need optimal blending? Add a mix timer after an ingredient, and TAP FEED ensures a properly blended TMR.

• Reports

Gain valuable insights into your feeding operations with TAP FEED's comprehensive reports. Track performance metrics such as commodity usage, pen dry matter intake consistency, operator accuracy, and more. Detailed time-stamped records ensure precision, from ingredient loading to pen delivery, so you can monitor efficiency and cost-effectiveness with ease.

Software and Hardware Connection Options

Easily synchronize your Digi-Star indicator or convertor with TAP FEED Lite data via Bluetooth using the TAP FEED App or directly via USB, Radio or WiFi.



TAP FEED Pro

TAP Feed Pro is for dairy operations that need more recipe design options, additional reports, or those reports emailed to employees or trusted advisors. Building on the core competencies of TAP FEED Lite, the features found in TAP FEED Pro increase flexibility, streamline workflows, ensure consistency, and maximize profitability.

Compatible with TAP FEED Add-Ons

- 3rd Party Link – import head counts and pen milk production from herd management software for consistent and accurate data
- Inventory – Track average daily commodity usage to project out-of-stock dates as well as order and/or receive commodity deliveries

Features of TAP FEED Pro

Includes all features of TAP FEED Lite plus additional functionality to fit dairy workflows.

- **Track Intakes Efficiently**

Leverage weighbacks and refusals within recipes to monitor feed intakes more effectively and maximize operational efficiency.

- **Simplify Recipe Creation and Delivery**

The Add-To-Base Recipe feature enables you to create two similar recipes simultaneously. TAP FEED will instruct to deliver first portion and return to the loading area to complete the second load.

- **Zone Control for Precision**

Activate the Zone Control feature to assign pens to a specific mixer or isolate groups of pens for independent deliveries, ensuring accurate and efficient feed management.

- **Seamless Recipe Transitioning**

With the Recipe Transition feature, you can pre-schedule recipe changes over time. This is perfect for transitioning between silage bunkers or planning ahead for future recipe adjustments.

- **Automated Reporting Made Simple**

Set up scheduled reports to send essential data to nutritionists, advisors, and stakeholders. Reports can be delivered weekly, monthly, or at any time you choose in either PDF or spreadsheet formats for maximum convenience.

- **Advanced Reporting Capabilities**

Gain additional insights with reports like Ingredient Usage by Pen. For users of the TAP FEED 3rd Party Link Add-On, you can also import milk production values by pen to generate Dry Matter Efficiency reports, providing a comprehensive view of your performance metrics.

Software and Hardware Connection Options

TMR Flex Pro

Synchronize data, navigate loads and manage advanced software features from inside the cab. Connect TMR Flex Pro to your existing Digi-Star indicator for multiple display functionality. Add an additional Digi-Star FD1 tablet into your loader for more flexibility and precision operation. The CL-55 transfer device connects your TMR mixer to TAP FEED Pro via an integrated cellular connection which sends feeding results to TAP in real time.



Note: TAP FEED Pro is also compatible with the TAP FEED App and USB/Radio/Wi-Fi indicators detailed on the TAP FEED Lite page.

TAP FEED Feedlot

TAP Feed Feedlot is for the feedlot operator who needs to track feed or other costs by lot or by owner. It is a powerful, yet economical solution for larger commercial operations and small custom feedlots alike. TAP Feed Feedlot has all the advanced features of TAP Feed Pro as well as features to track lot movements, score pen bunks and create closeout reports. TAP Feed Feedlot also allows you to add non-feed-related costs such as yardage, bedding or vet./med. costs on a lot, pen or per animal basis that can be applied either daily or as a one-time expense.

Compatible with TAP FEED Add-Ons

- 3rd Party Link – import head counts from herd management software for consistent and accurate data
- Inventory – Track average daily commodity usage to project out-of-stock dates as well as order and/or receive commodity deliveries

Features of TAP FEED Feedlot

Includes all features of TAP FEED Pro plus additional functionality to fit feedlot workflows.

- **Clear Data Tracking by Lots**

Create cattle arrivals and assign a unique Lot name. TAP FEED Feedlot will track cattle as they move through pens, recording as-feed data to the Lot, including ingredients and recipes delivered.

- **Easy-to-Use Bunk Reader**

The bunk reader allows the operator to customize the applied bunk scores and the resultant effect on the daily feeding values. The bunk reader will record daily bunk calls as well as provide useful historic data to help make the best decision for your feedlot.

- **Custom Cattle Movements**

Record cattle movements between pens with a custom timestamp that allows feed delivered to be applied to the correct Lot of animals.

- **Seamlessly Record Custom Charges and Apply to Lots or Pens**

Custom charges can be created for additional financial tracking. Record yardage per animal or create custom charges for pen cleaning or replacement bedding.

- **Comprehensive Lot Closeouts**

Record lot closeouts to receive a comprehensive closeout summary that includes ingredients and recipes fed, total cost of feeding as well as total additional costs applied to the Lot.

Software and Hardware Connection Options

TMR Flex Pro

Synchronize data, navigate loads and manage advanced software features from inside the cab. Connect TMR Flex Pro to your existing Digi-Star indicator for multiple display functionality. Add an additional Digi-Star FD1 tablet into your loader for more flexibility and precision operation. The CL-55 transfer device connects your TMR mixer to TAP FEED Feedlot via an integrated cellular connection which sends feeding results to TAP in real time.

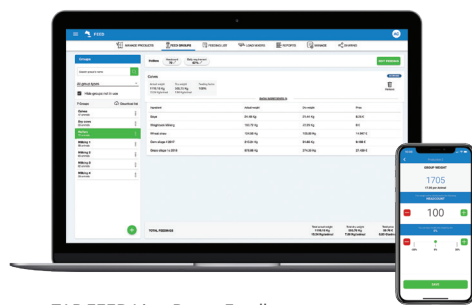


Note: TAP FEED Feedlot is also compatible with the TAP FEED App and USB/Radio/Wi-Fi indicators detailed on the TAP FEED Lite page

TAP FEED App, Basic Feeding System, In Depth

The TAP FEED App solution comprises a free mobile app compatible with the latest lineup of Bluetooth Digi-Star indicators and convertors (aka Scale Link) and a paid subscription to TAP FEED Lite, Pro or Feedlot software (30-day free trial available). It's ideal for any dairy or feedlot looking for basic feed management. Data is easily synchronized between TAP FEED software and the TAP FEED app via local Wi-Fi or your mobile devices cellular connection, to provide a streamlined workflow. Setup your daily feeding schedule in the software, transfer the data to the TAP FEED app, perform your loading activities, and find data automatically uploaded to TAP FEED software to track and analyze.

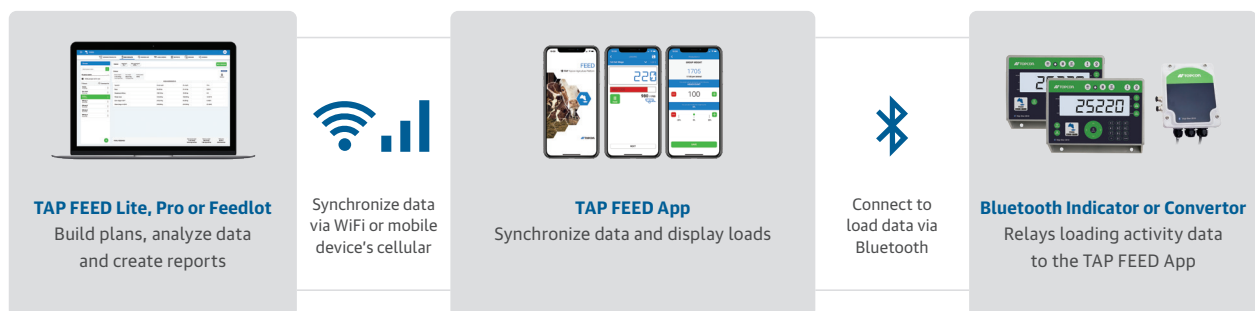
With your Digi-Star Bluetooth indicator acting solely as a simple weight source, the TAP FEED App will become your primary load monitoring display, traveling with you as you move from the loader to the mixer tractor for deliveries. The TAP FEED App solution is smart for basic operations and single operators that utilize a single mixer. Consider the TMR Flex Pro solution if you have multiple operators, need multiple displays, and use multiple mixers.



TAP FEED Lite, Pro or Feedlot

TAP FEED App

- » Mobile App available on Android or iOS devices
- » Single device system. Mobile device travels between mixer and loader
- » Automatic data transfer of loading activities via local Wi-Fi or your device's cellular connection
- » Special recipe types available (TAP FEED Pro and Feedlot subscriptions only)
 - Add to base recipe - 2 similar recipes loaded at one time
 - Refusal substitution - utilize refusal as first ingredient in a recipe
 - 1st ingredient resize - Adapt to a variable first ingredient weight (e.g., Hay bale)



TMR Flex Pro, Premium Feeding System, In Depth

The TMR Flex Pro solution comprises the Digi-Star FD1 tablet, CL-55 data transfer device, and a paid subscription to TAP FEED Pro or Feedlot software. It's ideal for any dairy or feedlot looking for advanced feed management.

Data is seamlessly synchronized between TAP FEED software and TMR Flex Pro via the CL-55's integrated cellular connection, providing a streamlined workflow. Setup your daily feeding schedule in the software, refresh your feeding plan in TMR Flex Pro, perform your loading activities, and find data automatically uploaded

to TAP FEED software to track and analyze. The Digi-Star FD1 tablet combined with CL-55 data transfer device connects to your existing Digi-Star indicator or convertor, providing an easy path to upgrade including multiple display functionality. Users can even add additional Digi-Star FD1 tablets if more displays are desired. Through the Digi-Star FD1 tablet, you can also manage advanced feeding features from inside the cab without going back to the office and adjusting in TAP Feed software. The TMR Flex Pro solution is smart for larger operations and multiple operators requiring multiple displays.



- » Upgrade addition to an existing display with serial port. Add multiple Digi-Star FD1 tablets for increased flexibility
- » Automatic feeding results transfer via CL-55 integrated cellular connection
- » Record refusals, adjust dry matters and use refusals as a custom ration ingredient

- » Loader hand-off logic for multi-location loading
- » Jump List feature allows for manual ingredient load order navigation. If needed, ingredients can be loaded out of order or used to view call weights within the load.
- » Special recipe types available
 - Add to base recipe - 2 similar recipes loaded at one time
 - Refusal substitution - utilize refusal as first ingredient in a recipe
 - 1st ingredient resize - Adapt to a variable first ingredient weight (e.g., Hay bale)



Feature Comparison by TAP FEED Subscription

Feature	TAP FEED Lite	TAP FEED Pro	TAP FEED Feedlot
Input ingredients and track costs	●	●	●
Input recipes and monitor feed cost	●	●	●
Easy adjustment of dry matter values	●	●	●
Premix recipes and ingredients	●	●	●
Calculate dry matter intake	●	●	●
Auto adjust recipe water requirements	●	●	●
Ingredient usage report	●	●	●
Report formats	.pdf	.pdf/.xlsx	.pdf/.xlsx
Share with nutritionist/advisor access	●	●	●
Operator accuracy monitoring	●	●	●
Create recipes on amount/head or %/load basis	●	●	●
Record refusals by pen	●	●	●
Add to base recipe feature	-	●	●
Utilize refusals as a substitution ingredient	-	●	●
Resize recipe based upon 1st ingredient accuracy	-	●	●
Recipe transition feature	-	●	●
Register refusal ingredients directly to pens	-	●	●
Locked feedings weights	-	●	●
Interactive dashboard	-	●	●
Zone control	-	●	●
Scheduled email reports	-	●	●
Track Animals by Owner	-	-	●
Record non-feed costs to pens or lots (yardage, etc.)	-	-	●
Customizable bunk reader	-	-	●
Lot Closeout summary report	-	-	●
Compatible with TAP FEED App	●	●	●
Compatible with TMR Flex Pro	-	●	●
Compatible with USB/Radio/WiFi scale displays	●	●	●
TAP FEED Link Add-On	TAP FEED Lite	TAP FEED Pro	TAP FEED Feedlot
Import pen head counts from HMS software	●	●	-
Import milk production for efficiency reporting	-	●	-
Connect to 3rd party API	●	●	●
TAP FEED Inventory Add-On	TAP FEED Lite	TAP FEED Pro	TAP FEED Feedlot
Monitor average daily usage and out of stock dates	●	●	●
Projected requirements report	●	●	●
Enter orders and receive deliveries	●	●	●
Email orders to suppliers	-	●	●

Reliable Load Monitoring Hardware Options

For accurate load monitoring, we offer a variety of indicators and a convertor (aka Scale Link) option that complement your machines and feeding approach. Via the TAP FEED App basic feeding system or TMR Flex Pro

premium feeding system, our load monitoring hardware easily connects to TAP FEED software, enhancing and streamlining your feed management workflow.

Choose the right load monitoring hardware for your operation.



Indicator Digi-Star 2810 BT

- Bright and large LCD display
- Provides Dual Serial Port (J905)
- TAP FEED software ready via TAP FEED app or TMR Flex Pro solution



Indicator Digi-Star 3410 BT

- Bright and large LCD display
- Internal batching program
- Memory to 200 ingredients
- Provides Dual Serial Port (J905)
- TAP FEED software ready via TAP FEED app or TMR Flex Pro



Convertor (Scale Link) Digi-Star 2010 BT

- Standalone functionality for automatic loading feed mixers
- Optimizes investment when an indicator for manual loading isn't needed
- ISO-UT display compatibility
- TAP FEED software ready via TAP FEED app or TMR Flex Pro



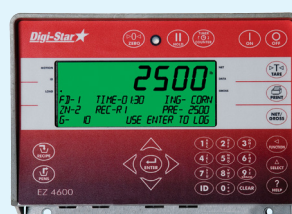
Indicator Digi-Star TMR 3610

- Bright LCD display
- Provides Dual Serial Port (J905)
- TAP FEED software ready via TMR Flex Pro solution
- Compatible with legacy TMR Tracker Software*
- USB data export ready (Optional Radio or Wi-Fi upgrade options to export data to TMR Tracker Software)



Indicator Digi-Star TMR 4610

- Bright LCD display
- 3 line display with additional loading information
- Provides Dual Serial Port (J905)
- TAP FEED software ready via TMR Flex Pro solution
- Compatible with legacy TMR Tracker Software*
- USB data export ready (Optional Radio or Wi-Fi upgrade options to export data to TMR Tracker Software)



Indicator Legacy Digi-Star

- Legacy Digi-Star indicators including the EZ 3600, EZ 4600, TMR 3610, TMR 4610, and TST 7600 are still widely used
- TAP FEED software ready via TMR Flex Pro solution
- Compatible with legacy TMR Tracker Software*

*Easily upgrade from TMR Tracker software to TAP FEED software. Data and history will be imported for a smooth transition.

Looking for more load visibility?



Remote Display Digi-Star RD 440

- Clear 1" LCD display with alarm light
- Compatible with all Digi-Star indicators



Remote Display Digi-Star RD 2500V

- Large 1.7" LCD display with alarm light
- Bright LCD backlight for dark conditions
- Compatible with all Digi-Star indicators



Remote Display Digi-Star RD 4000

- Large 4" LED ultra bright display
- Lighted load progression bar
- Visor available as an accessory
- Compatible with all Digi-Star indicators

Further optimize with complementary weighing technology.

Topcon's weighing technology enhances efficiency across operations. Our universal livestock weighing systems provide durable and precise options for monitoring livestock weight. For loaders and tipping

trailers, our solutions feature integrated sensors that measure hydraulic pressure, delivering real-time load data through user-friendly displays, ensuring accurate and seamless operations.



From field to feed, explore our complementary crop production solutions that can make you more profitable.

Optimize your feed operation with Topcon's integrated solutions. Our flexible guidance and steering options—manual or hands-free—streamline fieldwork for precision control. Spraying control adapts to your crop's needs, applying the right rates based on, speed, field position

using digital maps, or crop health to reduce input waste. Spreading control ensures nutrients are applied precisely, maximizing fertility and yield. Our tools boost efficiency and profitability for your homegrown feed.

Guidance and Steering

Topcon offers flexibility. Whether it's manual- or automatic guidance, we have a solution for your needs. Our manual guidance solutions offers an easy-to-follow on-screen lightbar for basic applications, while our automatic guidance steering lets you go hands-free for many applications.



Spraying Control

We offer a range of spraying control variants to suit any operation size and crop type. From basic automatic rate control based on forward speed, following digital nutrient management plans tied to field-position, or on-the-go sensors to apply the right rate based upon crop health, our solutions help you reduce key inputs while maximizing yield.

Spreading Control

Spreading control automatically applies inputs based upon nutrient management plans to optimize resources and boost yield. We offers automatic speed-based or optional position-based monitoring and control to precisely follow plans, eliminate overapplication, and optimize fertility.



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