

# FeedView

# BINMASTER

Sensors and Software to  
Simplify Feed Inventory

## FEEDVIEW



Imagine eliminating climbing bins, relying on guesswork, massive spreadsheets, and piles of paperwork. Instead, simply view feed inventory information on your phone, tablet, or computer. FeedView is a comprehensive feed management solution that combines wireless, battery-powered laser level sensors with a cloud-based, simple-to-use software. Automatically measure bin levels, project consumption using historical consumption rates, record the use of medicated feeds, and know when to schedule deliveries ... anywhere, anytime with FeedView.



# Hog and Poultry Feed Inventory Transformed

## FeedView® Software as a Service

BinMaster developed FeedView specifically for hog and poultry operations. Working with farms, personnel conveyed their specific needs for monitoring feed storage, consumption, and delivery along with the reporting needed to make their job easier. FeedView is appropriate for poultry hatcheries, layer, or broiler operations or can be used from the nursery to finishing for hog farmers. It is affordable and completely scalable for a single barn to national producers.



Managing FeedView starts with identifying farms, barns, feed groups, and feed rations.

Detailed information about the feed, recording medications for VFD, and the feed group, such as number of head are entered into the system for tracking. Users of FeedView are set up for administrative or viewer roles for secure control over the system. Each user can customize their view, arranging columns on their dashboard as they prefer. Feed delivery companies or corporate headquarters can be given access to data as desired. This can eliminate spreadsheets, emails, and phone calls regarding inventory or delivery status.



## Monitor Single or Tandem Bins

FeedView is easily adaptable for monitoring a single feed bin tied to a barn, or two silos feeding a barn in tandem. This feature provides the option of automatically combining the feed volume from two bins for operations that alternate between two bins.



## FVL-100 Laser Level Sensor

The battery-powered FVL-100 level sensor eliminates the expense of wiring and simplifies setup, addressing the installment and investment concerns of feeding operations. The FVL-100 installs quickly through a 1.5" or 2" NPT connection using an adjustable swivel mount or fixed angle mounting plate. Powered by a Lithium battery, it measures livestock feed in silos up to 35 feet tall. It takes interval readings once per hour with a battery life of three to five years. LoRa long range communications send measurements to the FeedView web application for easy access from your phone, tablet, or desktop PC.



# Revolutionize the Way You Manage Feed

## Feed Groups

Livestock are grouped based on the feed bins from which they're feeding. These Feed Groups can be tracked throughout their processing cycle. Users can update a Feed Group's status to account for headcount changes due to things like death loss or sent to market. Status updates made throughout the Feed Group's processing cycle are stored and can be reviewed at any time. Using the Feed Group's status and average daily feed intake (ADFI) information, the Feed Group's consumption rate is predicted and used to calculate when your bins will run out of feed.



## Rations Management

Users can create new rations, assign them to specific feed bins, and track whether that ration was medicated (including VFD numbers and expiration dates). The rations dashboard quickly shows the user the bins to which their rations are currently assigned. Historical records are stored to allow the user to review when specific rations were used, which bins they were assigned to, and what medications were used.

## Bin Details

One click drills down to the specifics for a particular bin. A dynamic visual shows the percentage the bin is filled and its current alert status. The predicted number of days until the bin will run out of feed is indicated as well as an outlook for how much feed will be present in the bin each day. The latest sensor-measured volume and headspace along with the ADFI-based volume and headspace are displayed along with the currently assigned Feed Group's consumption rate in tons/day. The ration and medication, and basic details about the currently assigned Feed Group are also given.



A chart showing sensor level readings converted to tons overlays the ADFI slope indicating consumption and filling, generated for a specific date range. Charts can be created based on other reading types including delivery capacity, distance, percent full, ring space, and sensor battery life. Drilling down further, the most recent sensor reading is timestamped, with reporting on all bin parameters.

## Reports

Chart and table reports can be easily created for the current status or a specified historical reporting period. Quick reports can be generated based upon a variety of criteria including farm, rations, alert status, bins, and reading type. Ring space, percent full, distance, delivery capacity, current tons, and battery status for the level sensor are among many available reporting alternatives.

# Designed with the Grower in Mind

**1 Bin Name:**  
Name and/or number each bin for quick identification.

**2 State:** A visual representation of bin fullness and alert status.

**3 Volume:**  
View feed volume in tons with a quick view if an alert status exists.

**4 Available:**  
Know how much space you have available to arrange for feed delivery.

**5 Measured:**  
Data based upon the measurements taken by the FVL-100 laser sensor.

**6 ADFI-based:**  
Data based upon average daily feed intake.

**7 ADFI Volume:**  
Feed volume based upon the number of head and their daily consumption.

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Bin Name	Measured			ADFI-based			Ration		FeedGroup			
	State	Volume	Available	Volume	Available	DTE	Name	DOR	Name	TIP	Last Reading	Go To
Bin 1		4.0 ton	8.3 ton	6.6 ton	5.7 ton	3	Ration_3	13	Feed_Group_1	10wk 2d	12/13/18, 7:03 AM	...
Bin 2		2.5 ton	9.8 ton	3.5 ton	8.8 ton	1	Ration_3	13	Feed_Group_2	10wk 2d	12/13/18, 7:00 AM	...
Summary		6.5 ton	18.1 ton	10.1 ton	14.5 ton				Total Headcount: 1250			

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**8 ADFI Available:** Available feed volume based upon the ADFI calculation.

**9 DTE:** The number of days until empty for scheduling feed delivery.

**10 Ration:**  
The type of feed in the bin.

**11 Feed Group:**  
Name for the feed group associated with the bin.

**12 TIP:** The amount of time in process for the feed group.

**13 Last Reading:** The last time the laser sensor took a reading.

**14 Go To:** Takes you to the detail page for the bin.

**FEEDVIEW**

