BINSENTRY HANOR

UNDERSTANDING HOW OUT-OF-FEED EVENTS IMPACT FCR

Time without feed should hurt feed conversion. Yet across whole operations, out-of-feed events and poor FCR scores rarely line up. BinSentry and Hanor set out to find out why.

Operation	**Hanor, one of the largest pork producers in North America. Seven states, 650+ employees**
Monitored	**28 sites, 100 hog barns, 200 BinSentry bin sensors installed July 2022 to August 2023**
Observed	**195 groups, 234,000 finished pigs, September 2022 to December 2023**
Key result	**A 24-hour outage cost 7 points of FCR, or $3.15 per pig**

KEY FINDINGS

- 93 of 195 groups (47%) had at least one feed outage of 24 hours or more. Against groups with no outages, that cost 7 points of FCR (0.07), or $3.15 per pig. That is about **$4,441.50 per barn** in annual opportunity.
- Improving FCR by 0.07 in those 47% of groups would improve FCR 0.033 Hanor-wide, saving over **$1,700 per group**.
- Most out-of-feed hours come from slide management, not empty bins.
- Sites with more out-of-feed hours, from either cause, had higher (worse) FCR.

The cause no one could see

*By monitoring tens of thousands of feed bins across North America, BinSentry found that nearly **80% of out-of-feed events** come from poorly managed manual bin slides. **Only 20%** come from empty bins or no feed on site.a*

"The feed is on the farm. The pigs can't get to it."

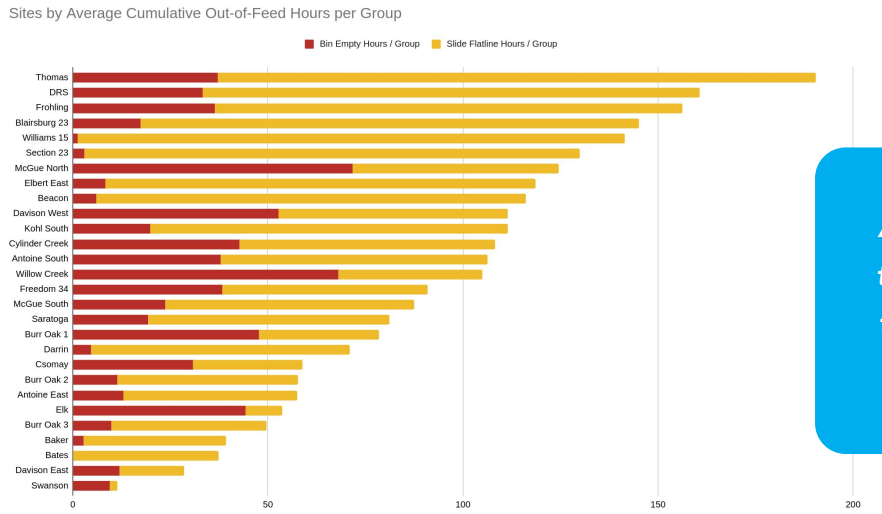
Before BinSentry, producers had no way to see or measure slide-related outages, so almost 80% of out-of-feed events went undetected. With both causes now visible, the study asked two questions:

1. Is there a stronger link between out-of-feed events and higher FCR?
2. If so, how much could FCR improve across a whole swine operation?

What it means

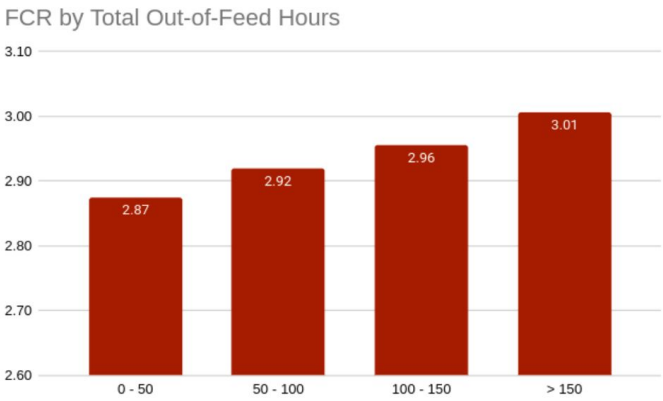
BinSentry bin sensors measure every bin in real time, and BinSentry's Artificial Intelligence driven software turns those readings into custom out-of-feed alerts. Problems like a closed slide, invisible until now, get fixed right away instead of showing up later in feed conversion.

Most lost hours trace back to slides



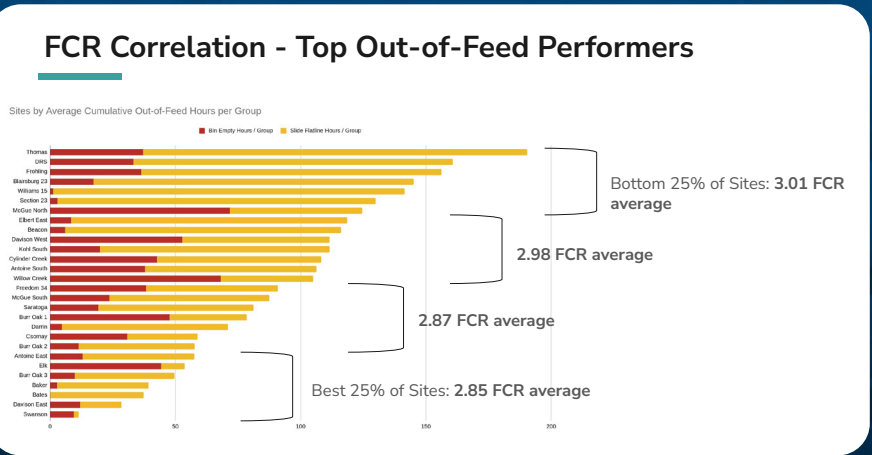
Across Hanor's 28 sites, most of the time pigs spent without feed traced to slide management. The feed was on site. The slides were not open.

More hours without feed, worse FCR



Sites with more out-of-feed hours had higher FCR, whether the cause was slides or empty bins.

Ranked by out-of-feed hours, the best 25% of sites averaged 2.85 FCR. The bottom 25% averaged 3.01.



That data shows Hanor which sites have the worst slide management and the highest FCR, so it knows where to act first.

Want to learn more? Talk to one of our experts about improving your feed management, cutting out-of-feed events and boosting your conversion ratios.

Book a demo: sales@binsentry.com | +1 (226) 910-1110 | binsentry.com