

Individual Grower

Mike L.

**Better monitoring of
ammonia in the house**



The Situation

- Mike runs a large farm with 22 chicken houses
- His staff measures ammonia levels daily, recording them on paper
- Intelia system revealed that ammonia levels were not within the recommended range, despite Mike's belief that they were.

The Financials

- Mike's reduced ammonia levels improved flock livability by 1.25%, increasing meat delivered to Allen Harim and revenue by \$1,300 per house for a single winter flock
- Healthier birds had a 50% lower condemnation rate at the processing plant, yielding more meat for Allen Harim.

The Solution

- Mike's ammonia sensor package quickly detected dangerous ammonia levels in a winter flock
- Compass revealed peak levels between 3am-6am, when chicken houses were unoccupied
- Mike was unaware of this three-hour exposure to harmful ammonia levels, affecting bird health and weight gains
- After using Intelia, Mike adjusted heat and ventilation settings to reduce ammonia levels in early morning hours.

Goal

For Mike's 3.8 kg birds to comply with Allen Harim's strict Global Animal Partnership welfare and ammonia control program.

Value Proposition

Improved revenue, sustainability, decision-making, and energy optimization.

6
months
payback