

# CO<sub>2</sub> Sniffer Cable - Infestation Control

The iGRAIN CO<sub>2</sub> Sniffer Cable detects any unwanted biologic activity like insects, fungi, mites etc immediately when the activity starts

The iGRAIN CO<sub>2</sub> Sniffer Cable is the most unique contribution to safe, efficient, and advanced sensor monitoring of stored crops. You only need one sensor cable in each silo to obtain the fastest possible warning about insects and fungi.

## ► iGRAIN was the first

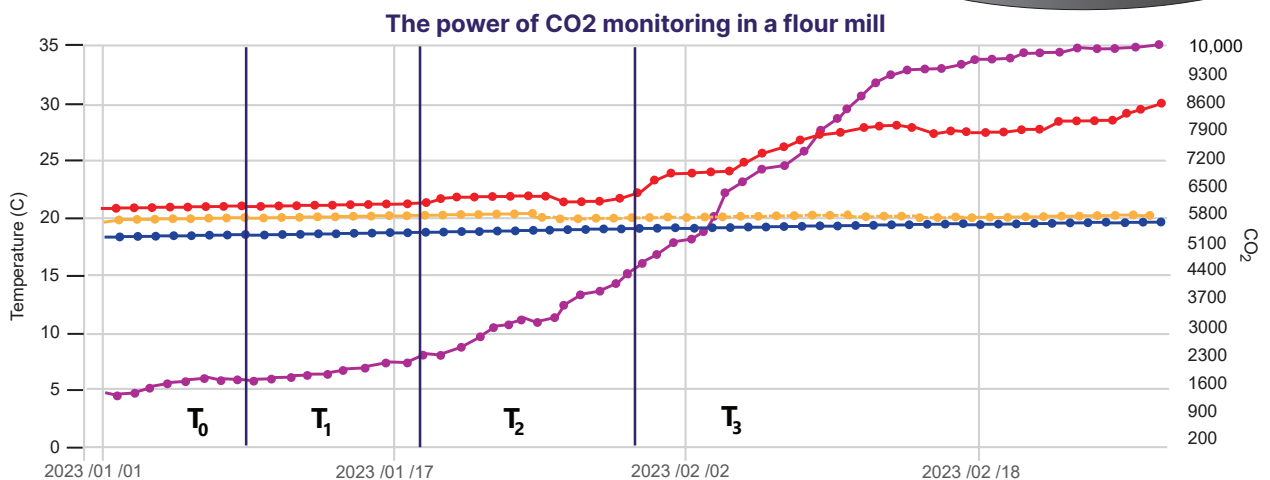
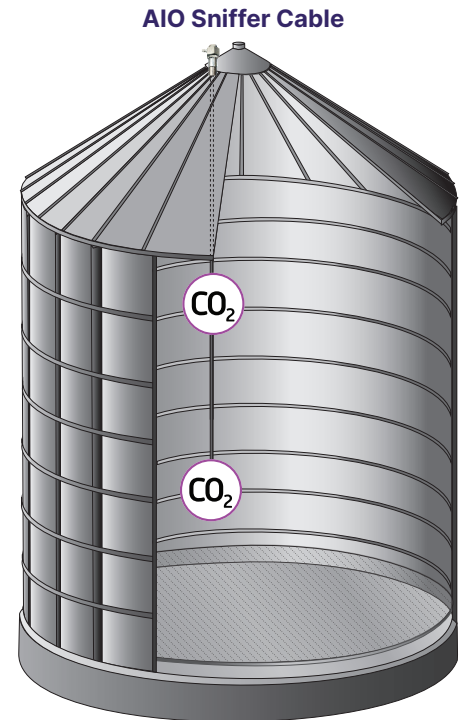
in the world to introduce in-bin CO<sub>2</sub> monitoring in 2010. Our experience makes us the bench mark for infestation control in stored grain.

## ► Advantages

- Earliest possible infestation warning
- iGRAIN Risk Factor classification of each silo (0-6)
- Quantifies the level of infestation in the entire silo
- Efficient to avoid Aflatoxins, Mycotoxins and Fumonisin
- Connects with the iGRAIN Smart App
- Alerts about insects and fungi in the daily report
- Only one sensor cable is needed per silo
- Part of the AIO family of sensor cables

## ► CO<sub>2</sub> Trend Curve

The iGRAIN CO<sub>2</sub> Sniffer Cable alerts about infestation (fungi and insects) weeks before temperature monitoring would.



**BLUE** = coldest sensor point in the silo **ORANGE** = average of all sensor points  
**RED** = warmest sensor point in the silo **PURPLE** = CO<sub>2</sub> concentration in the silo

Interval T0: Temperature and CO<sub>2</sub> are not increasing = NO Infestation  
 Interval T1: Temperature stable = NO alert; CO<sub>2</sub> slowly rising = warning about beginning infestation  
 Interval T2: Temperature stable = NO alert; CO<sub>2</sub> rapid increase = serious infestation in progress  
 Interval T3: Temperature rising = indicating a possible problem; CO<sub>2</sub> reaches very high level = serious grain spoilage  
 The above example is from a flour mill where all grain was spoiled in this silo = 1.800 tonnes lost

**There is no substitute for CO<sub>2</sub> monitoring to be alerted early about infestation.**

