

CO₂ Sniffer Cable - Infestation Control

The iGRAIN CO₂ Sniffer Cable detects any unwanted biologic activity like insects, fungi, mites etc immediately when the activity starts

The iGRAIN CO₂ 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 CO₂ monitoring in 2010. Our experience makes us the bench mark for infestation control in stored grain.

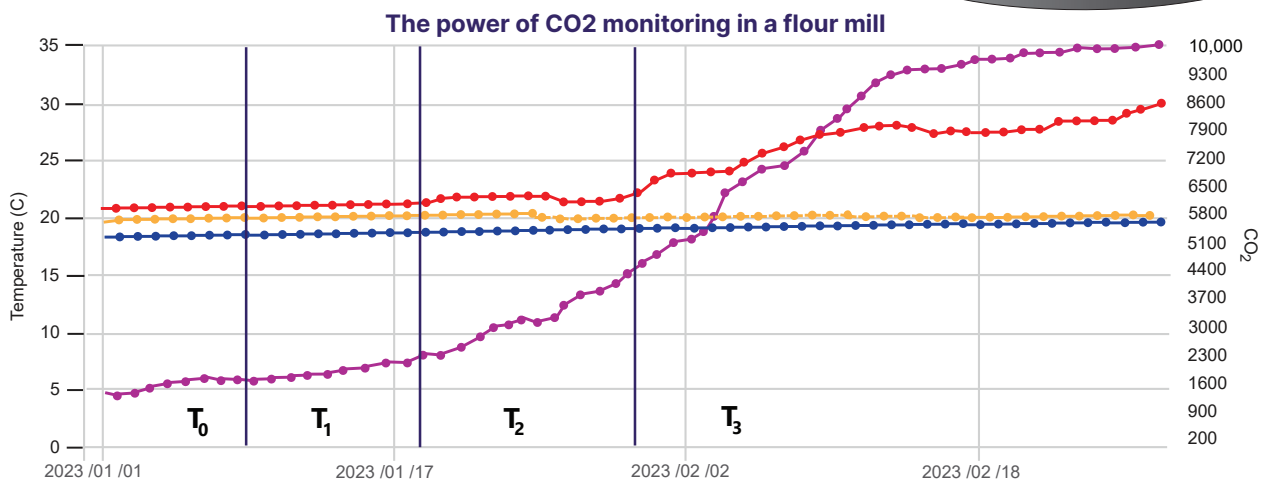
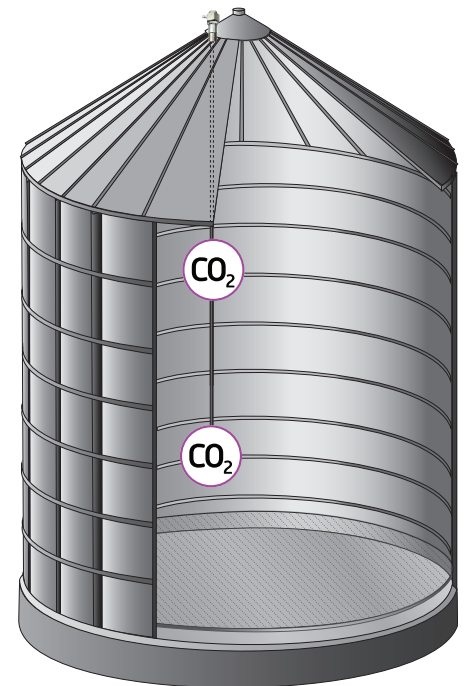
► Advantages

- 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

► CO₂ Trend Curve

The iGRAIN CO₂ Sniffer Cable alerts about infestation (fungi and insects) weeks before temperature monitoring would.

AIO Sniffer Cable



BLUE = coldest sensor point in the silo **ORANGE** = average of all sensor points
RED = warmest sensor point in the silo **PURPLE** = CO₂ concentration in the silo

Interval T₀: Temperature and CO₂ are not increasing = NO Infestation

Interval T₁: Temperature stable = NO alert; CO₂ slowly rising = warning about beginning infestation

Interval T₂: Temperature stable = NO alert; CO₂ rapid increase = serious infestation in progress

Interval T₃: Temperature rising = indicating a possible problem; CO₂ 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 CO₂ monitoring to be alerted early about infestation.