

iGRAIN Smart App – Cloud Based Real Time Data

All monitoring data from your iGRAIN silo monitoring system shown on your mobile device

The iGRAIN Smart App enables remote access to all sensor data from the iGRAIN silo monitoring system including an estimate of the maximum safe storage time using Hazard Analysis and Critical Control Points (HACCP).

Use of HACCP provides a systematic approach to identifying, assessing, and managing crop safety hazards during storage, simplified with the unique iGRAIN Risk Factor system.

Easy grain management

There are many unique advantages with the iGRAIN Smart App:

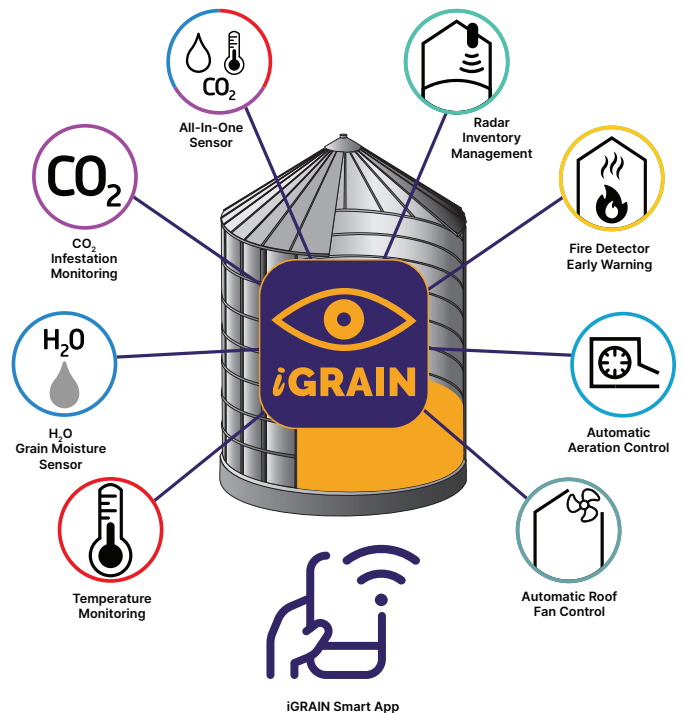
- All the monitoring data are compiled for an easy overview
- The Risk Factor system (AI supported) gives the grain manager an interpretation of all monitoring data with a conclusion on the grain condition in each silo
- The grain manager will already know from the App in which sequence the grain should be processed
- The safe storage time left in each silo is also predicted (AI supported)

In conclusion: Grain management made easy

Advantages

Full iGRAIN sensor monitoring includes a display of the following data in the iGRAIN Smart App:

- CO2 - infestation level (insects and fungi)
- Temperature
- Grain moisture
- Infestation Risk Factor
- Inventory status
- Maximum safe storage time
- Aeration progress
- Weather data



Example of iGRAIN Smart App information

Site: Hansen's Feed Mill			Action required:		Time Stamp: 16/05/2023 11:06:07 AM			
Silo	% Full	Ton	Risk Factor	Safe Week Storage	Grain moisture	CO ₂	Temp (max)	Temp (avg)
- Silo 5 - : Maize	100	1.189	4,8	0,0	13,2%	9.800	34,7	29,8
- Silo 2 - : Barley	90	2.895	2,3	9	13,8%	801	25,8	24,1
- Silo 1 - : Wheat	52	1.208	1,6	16	12,9%	580	24,0	22,9
- Silo 4 - : Wheat	100	1.076	0,4	26	13,2%	470	21,8	20,0
- Silo 3 - : Wheat	0	0			-	-	-	-
Wheather Data: T=21,0°C Hum=59%rH - T24=24,0°C H24=66%rH					Climatic zone: Temperate			

