

Quick Measurements with GrainSense at Nyborg Farm Give More Control

Stockholm, Sweden
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GrainSense—the world's first hand-held device for measuring grain quality—gets thumbs-up by grain grower Nils Bosson. After half a year of testing GrainSense for measuring, above all, water and protein content, Nils Bosson is ready to share his experiences.

"Instead of having to wait for an analysis report for days, I get immediate results, and I expect this to bring me advantages in my sales. I can take the device with me before harvesting and check the water and protein content", says Nils Bosson at Nyborg Farm.

In addition to water and protein content, the device also measures starch and oil content in cereals and other crops. GrainSense is much more than just a device. The biggest advantage comes from a subscription to a GPS positioning service and Cloud-based big data services. All measuring values are stored and structured and made immediately available to the user. But they are also valuable afterwards, when users want to evaluate their grains. And the tests are really fast.

"GrainSense is completely reliable. And you get even more control, because the results come quickly; they do not take more than 5 seconds!", he continues.

The Luke Natural Resources Institute in Finland has conducted an independent test of the accuracy of GrainSense. Tests of 187 grain samples indicate that the device is just as accurate as the NIT analyser that is used at laboratories and facilities that provide water and protein content analyses used for settlement. The test used a method of testing, where each result from each sample was a mean value of five repeated measurements of two sub-samples. In total ten measuring values per sample. Luke's result was not unexpected. The NIT technology has a familiar accuracy.

"Before GrainSense, when we were selling wheat, we had to hand-pick samples, send them to a laboratory and then wait for a week to get results. We now get results within a matter of minutes, which makes it possible to take quick decisions and provides us with a logbook that is of a major advantage when it comes to our buyers," concludes Nils Bosson.



Nils Bosson, Nyborg Farm.

Customer: Nyborg Farm

Country: Sweden

Area: 750 ha arable land. 450 ha forest.

Operations: Grain cultivation, forestry, rapeseed oil pressing

Cultivation: Winter wheat, brewing barley and oil-yielding plants

Dryer: Continuous Tornum from 2011, 27 tonnes, LPG-fired

Storage: 6,000 m3

GrainSense—we help farmers through science

GrainSense has developed the world's first hand-held device for measuring grain quality. For the first time farmers, seed producers and plant growers will be able to quickly and immediately measure key parameters of their crops out in the field and take decisions that can raise profitability. We bring an important improvement to the food supply chain. Our hand-held device measures the protein, humidity, oil and carbohydrate content of cereal products and other crops. The service uses GPS positioning and offers Cloud-based big data services.

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