

# profit from mooij

issue 11, August 2010



**Profit from Mooij** is our new email newsletter about storing potatoes and onions. You receive a free copy of this every month. As storage technology is currently making huge advances, there is a great deal to write about and to learn.

In this issue:

- Checking temperature sensors
- Drying grass seeds
- Improvements to Orion software
- Exhibitions in August and September

By now you will be used to receiving neutral storage information from us, so in this issue of **profit from mooij** we will be telling you about checking your temperature sensors and about a ventilator that is used to dry grass seeds, which is big in terms of size, but small in terms of energy consumption.

## Checking temperature sensors

Before the start of the storage season, it is always good to check whether the ventilation systems are working properly and to practice how to change the settings on the storage computer. It is also crucial to ensure that the temperature sensors of your measuring and control system are working properly and accurately. You can quite easily check this yourself.

Ice water has a temperature of  $-0.1$  to  $0.1$  °C. Completely fill a thermos flask with crushed ice cubes and fill the gaps between the pieces of ice with water. Close the thermos flask and wait for half an hour. The ice water now has a temperature of  $0.0$  °C.

In a good thermos flask the temperature of the water will remain at  $0.0$  °C for a whole day. The temperature is read at the tip of the sensors. The reading will be stable after a couple of minutes and will be around  $0.0$  °C. You will need to contact us, if the deviation exceeds  $0.5$  °C.



In addition to the temperature sensors of the measuring and control system we have now also added some new thermometers to our collection that can be used to measure tuber temperature.

## Drying of grass seeds

We have expanded the standard drying program on the Orion storage computer with a number of settings that are specifically required to dry grass seed with the aid of modulating heaters. After all, the drying of grass seed does impose different requirements on the controls than the drying of potatoes or onions. The program starts when the cases are stacked in front of the wall and automatically

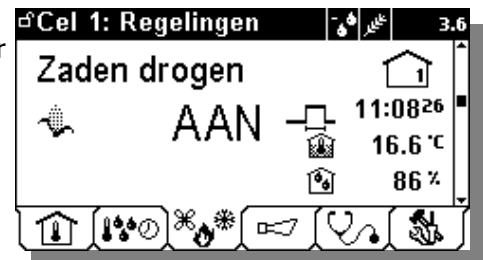
stops when the desired temperature or product's relative humidity has been achieved. Based on the difference in absolute humidity inside and outside, the Orion decides whether to use outside air or internal ventilation. The drying of grass seed requires special skills, which needless to say the Mooij storage specialists have.

If you would like more information on the drying of grass seed, please feel free to get in touch with us! For more information on grass seed drying at Eurograss. Please click [here](#).

## Improvements to Orion software

As you are aware, we are constantly trying to adapt the storage computer to the wishes of our clients. We have already introduced several improvements in 2010. Important changes for the coming season include:

- humidification cooling (adiabatic cooling) in extremely cold climates
- control of by-pass valve to administer sprout inhibitors in combination with humidification path
- drying program grass seed
- natural ventilation
- Weight Watcher registration (see profit from mooij 5)
- sound program



Your critical remarks and recommendations are very important to us in our efforts to improve the Orion each year. If you have any suggestions for improvement or would like to receive more information on the new version of Orion, please get in touch with us!

## A visit to your storage specialist is also not to be missed.

Where will you be able to see us?

### Aardappeldemodag - Westmaas

You will be able to find us at the Aardappeldemodag in Westmaas on Wednesday 1 September 2010.

Stand number 5.

<http://www.aardappeldemodag.com/>

### Potato Europe - Bockerode

On Wednesday 8 and Thursday 9 September 2010 we will be at Potato Europe in Bockerode near Hannover in Germany.

Stand number ZB19.

<http://www.potatoeurope.com/>

### Agrotechniek Holland - Biddinghuizen

From Wednesday 8 through Saturday 11 September 2010 you will be able to find us at Agrotechniek Holland in Biddinghuizen at the Hotraco stand.

Stand number A19 (Mechahal).

<http://www.agrotechniekholland.nl/>

---

You can find all the issues of **profit from mooij** on our website.  
Look at [www.mooij-agro.nl](http://www.mooij-agro.nl) under News.

If you have any questions, additional information or different experiences, please let me know.

Yours sincerely,  
Maarten Mooij

Telephone 077-3275045  
Email [profitfrommooij@hotraco.com](mailto:profitfrommooij@hotraco.com)  
Website <http://www.mooij-agro.nl>

---