

RIMpro Cloud Service

RIMpro Cloud Service info bulletin 2016-3
Zoelmond, April 12 2016

Help us to improve the leaf wetness calculations.

Apple Scab and most other diseases can only infect wet leaves and fruits. Correct information on crop wetness duration is critical for an accurate indication of the moment and severity of an infection event.

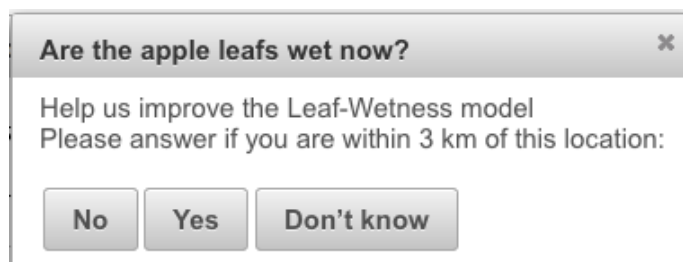
'On-farm' weather stations have leaf wetness sensors. The reliability of these sensors is depending on many factors, and ideal leaf wetness sensors do not exist. In RIMpro the information from the leaf wetness sensors must be corrected with the information on rainfall, temperature and relative humidity.

Weather forecast data don't have information on leaf wetness at all. RIMpro must estimate expected leaf wetness periods from the forecasted rain, temperature, relative humidity, wind and global radiation.

It is important that we improve the leaf wetness calculations. To do this we have to compare the outcome of different leaf wetness models with the real situation in the orchard.

Crowd validation

For this we need your help! Only you know what the real situation in your orchard is. From now, when you open a RIMpro graphic you get a small popup screen with this question:



Are the apple leaves wet now?

Help us improve the Leaf-Wetness model
Please answer if you are within 3 km of this location:

No Yes Don't know

If the young apple leaves are still wet, you click **Yes**. If not click **No**.

If you are too far from this location or aren't sure, just click: **Don't know**.

We will collect all information. Later this year we will use this to compare your observations with the output of the leaf wetness sensors and the output of different leaf wetness models. This information will be used to improve the leaf wetness calculations in RIMpro in 2017. It is important that we collect as much information possible.

So please provide us your observations as accurate and often as possible!

With kind regards,
Marc Trapman