

Apple scab risk

Application Pulsonic

This software is intended to the technicians in charge of the orchard protection. It allows to determine the contamination risks and helps the producer to take treatment decisions. The apple scab risk module is a **PULSOWIN** complement which settles the basis functions of agrometeorological data management..

Using principle:

The model uses the measurements of temperature, humidity, rainfalls and moisture duration collected by an automatic weather station.

The principle of contaminations calculation is based on the Mills table analysis at 4 levels : heavy, average, light and "Angers".

The model executes the wintry temperature sum to determine the maturation curve of ascospores which will be used for the next season (soft or cold winter), the spores maturity being linked to the sum temperature calculated since the stage n° 7.

One projection appears after a cumul of daily rainfalls upper to 0.5mm

A table of results shows the contamination dates with the forecasting of scab outgoing, the ascospore projections associated.

Treatments:

One advise of treatment is recommended according to :

- Contamination severity
- Variety resistance
- Protection state of the orchard

Management unto parcels of treatment advise :

- State of the last treatment : efficiency, washing

